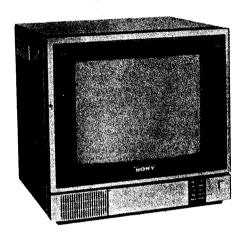
21/1/1-13710W

SERVICE MANUAL

West Germany Model

Chassis No. SCC-687A-A



August, 1985

SPECIFICATIONS

Color system

PAL, SECAM, NTSC and NTSC_{4,43} systems,

switched automatically

Picture tube

Resolution

Trinitron tube

Approx. 33 cm (13 inches), 90-degree deflec-

tion, Super Fine Pitch 0.25 mm

(Approx. 31 cm picture measured diagonally)

RGB inputs: 600 lines, 640 × 200 dots

Composite input: 550 lines

Color temperature

6,500°K (Can be changed to either temperature by

an internal switch. For switching of the color temperature, consult your authorized

Sony dealer.)

10 MHz (-3 dB, RGB) Frequency response

5.5 MHz (-3 dB, composite video)

Horizontal linearity

Vertical linearity +5%

Line pull range

Horizontal ±500 Hz

Vertical 8 Hz

Overscan of the picture

Underscan of the picture

Return loss

4 MHz, 35 dB (LINE A, LINE B)

Zooming

Within 2%

Convergence

Central area 0.6 mm

Periphery 0.8 mm

Brightness

More than 35 foot-lamberts

Inputs

VIDEO IN: BNC connector VTR: 8-pin connector, Pin No. 2 (pin No.

6: around)

composite 1 Vp-p ±6 dB, sync negative,

75 ohms and high impedance switchable

- AUDIO IN: mini jack

VTR: 8-pin connector, Pin No. 1 (pin No.

5: ground)

-5 dBs, high impedance EXT SYNC IN: BNC connector composite sync 2 - 8 Vp-p, negative,

75 ohms and high impedance switchable

RGB IN: BNC connector

0.7 Vp-p, ±6 dB, 75 ohms, non composite

AUDIO (RGB) IN: mini jack -5 dBs, high impedance

CMPTR: 25-pin connector For details, see "CMPTR connector"

VIDEO OUT: BNC connector

AUDIO OUT: mini jack

Output level 1 W

EXT SYNC OUT: BNC connector RGB OUT: BNC connector

AUDIO (RGB) OUT: mini jack

Loop-through

Power requirements 220 - 240 V ac, 50/60 Hz

Power consumption **Dimensions**

Approx. $346 \times 330 \times 387 \text{ mm (w/h/d)}$ (135/8 × 13 × 151/4 inches)

Weight

Outputs

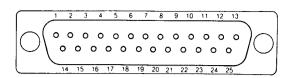
Approx. 14.5 kg (31 lb 15 oz)



TRINITRON® **COLOR VIDEO MONITOR** SONY



CMPTR connector (25-pin) Pin assignment



Pin No.	Signal	Signal level					
1*	IBM select	High state (5 V): IBM mode Low state: 3 Bit TTL					
2	Audio select	High state (5 V or open): Audio inputs from pin 13. Low state (less than 0.4 V): Audio inputs from the LINE A AUDIO IN jack					
3	H. sync or composite sync	Negative polarity When the high state is selected at pin 9: 1 V p-p, 75-ohm terminated When the low state is selected at pin 9: TTL level					
4	Blue input	Positive polarity When the high state is selected at pin 9: Analog signal (0.7 V p-p, 75-ohm terminated, non sync) When the low state is selected at pin 9:					
5	Green input						
6	Red input	Digital signal (TTL level)					
7	+ 12 V power supply	0.3 A max					
8	+ 5 V power supply	0.6 A max					
9*	Analog/digital mode select	High state (open): Analog signal (0.7 V p-p) Low state (ground): Digital signal (TTL level)					
10	RGB/NORMAL mode select	High state (5 V or open): RGB inputs from a microcomputer Low state (ground): Composite video inputs from the LINE A VIDEO IN connector					
11	V-sync	Negative polarity TTL level					
12	Blanking	High state (5 V or open): Video inputs from a microcomputer only Low state (ground): Composite video input from the LINE A VIDEO IN connector During the low state, the video signal from the microcomputer is blanked and the composite video signal from the LINE A VIDEO IN connector is superimposed over the signal from the microcomputer.					
13	Audio input	Input level -5 dB (100% modulation), input impedance more than 47 k ohms					
14	EXT/INT mode sync switch	High state (open): Sync signal input from the CMPTR connector Low state: Sync signal input from the LINE A VIDEO IN connector					
15-24	Ground						
25 *	IBM luminance signal	Positive polarity When the high state is selected at pin 1: TTL level When the low state is selected at pin 1: Low state (ground)					

*Examples for microcomputer connections

Pin No. Microcomputer	1	9	25
SMC-70/SMC-70G	_	High state	_
IBM computer	High state	Low state	IBM luminance signal
TTL 3BIT computer	Low state	Low state	Low state

While the information given is true at the time of printing, small production changes in the course of our company's policy of improvement through research and design might not necessarily be indicated in the specifications. We would ask you to check with your appointed Sony dealer if clarification on any point is required.

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SAFETY-RELATED COMPONENT WARNING!

COMPONENTS IDENTIFIED BY SHADING AND MARK

NO THE SCHEMATIC DIAGRAMS, EXPLODED VIEWS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY. CIRCUIT ADJUSTMENTS THAT ARE CRITICAL TO SAFE OPERATION ARE IDENTIFIED IN THIS MANUAL. FOLLOW THESE PROCEDURES WHENEVER CRITICAL COMPONENTS ARE REPLACED OR IMPROPER OPERATION IS SUSPECTED.

SECTION 1 GENERAL

1-1. FEATURES

High-resolution picture

The Super Fine Pitch Trinitron picture tube (0.25 mm aperture grill) gives high resolution (composite: 550 lines, RGB: 600 lines) picture. When used as a character display, up to 2000 characters (80 characters/line × 25 lines) can be displayed with great clarity.

Analog/digital RGB input

Analog RGB and digital (TTL level) RGB input signals can be fed to the RGB input connectors (BNC type and 25-pin multi connectors), which allows a microcomputer or a data information system such as teletext, to be connected to this monitor.

Receives 4 TV broadcasting standards

This monitor can receive PAL, SECAM, NTSC and NTSC $_{4.43}$ * signals. The appropriate broadcasting standard is selected automatically.

Colorpure Filter

When NTSC video signals are received, a colorpure filter activates to increase the resolution about 35%, resulting in fine picture detail without color spill or color noise.

Underscan mode

The signal normally scanned outside of the screen can be monitored in the underscan mode.

Automatic frequency control

The incoming sync timing error compensation speed can be set to fast or slow, according to the input signal. In the slow mode, the jitter from a video tape recorder can be easily monitored.

Superimposition of a picture from a microcomputer on a picture from video equipment

When a Sony SMC-70 or SMC-70G microcomputer, an SMI-7073 superimposer and video equipment such as a video disc player are used together with this monitor, a picture from the microcomputer can be superimposed on a picture from the video equipment.

 * An NTSC_{4.43} system signal is obtained by playing back NTSC-recorded video tapes with a video tape recorder/player specially designed for use with this system.

By using an optional MB-502 mounting bracket, the PVM-1371QM can be mounted in an EIA standard 19-inch rack. An optional SLR-102 slide rail is also available.

For mounting details, see the appropriate instruction manual.

1-2. PRECAUTIONS

On safety

- Check that the operating voltage of your unit is identical with the voltage of your local power supply.
- •Should any liquid or solid object fall into the cabinet, unplug the unit and have it checked by qualified personnel before operating it any further.
- •Unplug the unit from the wall outlet if it is not to be used for several days.
- ●To disconnect the ac power cord, pull it out by the plug. Never pull the cord itself.

On installation

•Allow adequate air circulation to prevent internal heat build-up.

Do not place the unit on surfaces (rugs, blankets, etc.) or near materials (curtains, draperies) that may block the ventilation holes.

• Do not install the unit in a location near heat sources such as radiators or air ducts, or in a place subject to direct sunlight, excessive dust, mechanical vibration or shock.

On cleaning

To keep the unit looking brand-new, periodically clean it with a soft cloth. Stubborn stains may be removed with a cloth lightly dampened with a mild detergent solution. Never use strong solvents such as thinner or benzine, or abrasive cleansers since these will damage the cabinet. As a safety precaution, unplug the unit before cleaning it.

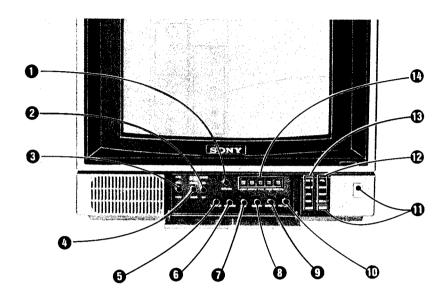
On repacking

Do not throw away the carton and packing materials. They make an ideal container in which to transport the unit. When shipping the unit to another location, repack it as illustrated on the carton.

If you have any questions about this unit, contact your authorized Sony dealer.

1-3. LOCATION AND FUNCTION OF PARTS AND CONTROLS

Front panel



FRONT PANEL

SECAM button

Press this button when a picture from SECAM color sources is distorted. The picture will become clear.

2 SYNC select switch

Sync may be supplied from an external sync generator to the EXTSYNC IN connector on the rear PANEL. When an external sync is supplied, with either a composite or noncomposite video input, set the SYNC select switch to EXT. When composite video is supplied with no external sync, set the SYNC select switch to INT.

❸ AFC (automatic frequency control) switch

Select the AFC operation in the fast mode or slow mode.

FAST: incoming sync timing errors are compensated for.

Normally, set this switch to this position.

SLOW: incoming sync timing errors are displayed on the screen

This mode is used to monitor the jitter from a VTR.

O SCAN MODE select switch

Normal scanning or under scanning is achieved by proper setting of the SCAN MODE select switch. Set to NORMAL for normal scanning, or to UNDER for viewing a picture which does not appear in normal scanning. Under scanning reduces the display size by about 9%.

3 V HOLD (vertical hold) control

If the picture rolls vertically, correct it with this control.

⊙ VOLUME control

Turn this control clockwise or counterclockwise to obtain the desired volume.

HUE control

This control is effective only for playing tapes of the NTSC or NTSC $_{4.43}$ system. Use to obtain the most natural skin tones. Clockwise rotation makes the skin tones more greenish; counterclockwise rotation makes them more purplish.

COLOR control

Adjusts the color intensity of the picture. Clockwise rotation makes the picture more vivid; counterclockwise rotation makes it paler.

BRIGHT (brightness) control

Adjusts the brightness. Normally set this control at the center detent position.

PICTURE control

Adjusts the contrast, color intensity and brightness simultaneously in the proper ratio.

• POWER switch and indicator

To turn the monitor on, depress the POWER switch. The indicator will light. To turn the monitor off, press the switch again.

Color system indicators

Indicate the color system of the input video signal.

(B) Input indicators

Illuminate to indicate the input select button pressed.

(1) input select buttons

Press to select the program to be monitored.

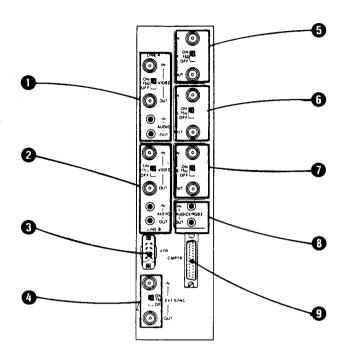
LINE A: for a signal from the LINE A connectors.

LINE B: for a signal from the LINE B connectors.

VTR: for a signal from the 8-pin VTR connector. RGB: for a signal from the R, G and B connectors.

CMPTR: for a signal from the 25-pin CMPTR connector.

Rear panel



REAR PANEL

O LINE A O LINE B

Two groups (A and B) of line input connectors for the composite video and audio signals and their loop-through output connectors.

To monitor the input signals to these connectors, press the LINE A or LINE B input select button on the front panel.

VIDEO IN connector (BNC type)

Connect to the video output of a video equipment, such as a VTR or a color video camera. For a loop-through connection, connect to the video output of another monitor.

VIDEO OUT connector (BNC type)

Loop-through output of the VIDEO IN connector. Connect to the video input of a VTR or another monitor.

AUDIO IN jack (mini)

Connect to the audio output of a VTR or to a microphone via a suitable microphone amplifier. For a loop-through connection, connect to the audio output of another monitor.

AUDIO OUT jack (mini)

Loop-through output of the AUDIO IN jack. Connect to the video input of a VTR or another monitor.

75-ohm termination switch

When only the VIDEO IN connector is used (nothing is connected to the VIDEO OUT connector), set this switch to ON. When both the VIDEO IN and VIDEO OUT connectors are used together for loop-through connection, set this switch to OFF.

10 VTR connector (8-pin)

Line input for the video and audio signals. When connected with the 8-pin TV connector of a VTR, the video and audio playback signal from the VTR can be connected with a single cable.

To monitor the input signal to this connector, press the VTR input select button on the front panel.

• For connection, use an optional video cable VMC-3P (3 m, 9 feet), -5P (5 m, 15 feet) or -10P (10 m, 33 feet).

EXT SYNC (external sync)

IN connector (BNC type)

When this monitor operates on an external sync signal, connect the reference signal from a sync generator here.

OUT connector (BNC type)

Loop-through output of the EXT SYNC IN connector. Connect to the external sync input of video equipment to be synchronized with this monitor.

75-ohm termination switch

When only the EXT SYNC IN connector is used (nothing is connected to the EXT SYNC OUT connector), set this switch to ON

When both the EXT SYNC IN and EXT SYNC OUT connectors are used together for a loop-through connection, set this switch to OFF.

6 R 6 G B B AUDIO (RGB)

Analog RGB and audio input connectors and their loop-through output connectors.

To monitor the input signal to these connectors, press the RGB input select button on the front panel.

R/G/B IN conectors (BNC type)

Connect a character generator, microcomputer or video camera having RGB outputs here.

R/G/B OUT connectors (BNC type)

Loop through output of the R/G/B IN connectors. Connect to the RGB inputs of another monitor here.

75-ohm termination switch

When only the R/G/B IN connector is used (nothing is connected to the R/G/B OUT connector), set this switch to ON. When both the R/G/B IN and R/G/B OUT connectors are used together for a loop-through connection, set this switch to OFF.

AUDIO (RGB) IN jack (mini)

Connect the audio output of the equipment connected to the R/G/B IN connectors here.

AUDIO (RGB) OUT jack (mini)

Loop-through output of the AUDIO (RGB) IN jack.

O CMPTR (computer) connector (25-pin)

Connect with a microcomputer having a digital (TTL level) or analog RGB video output.

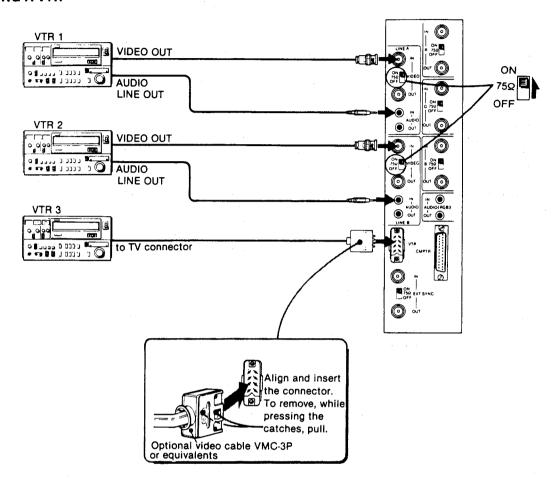
To monitor the input signal to this connector, press the CMPTR input select button on the front panel.

Color temperature selection

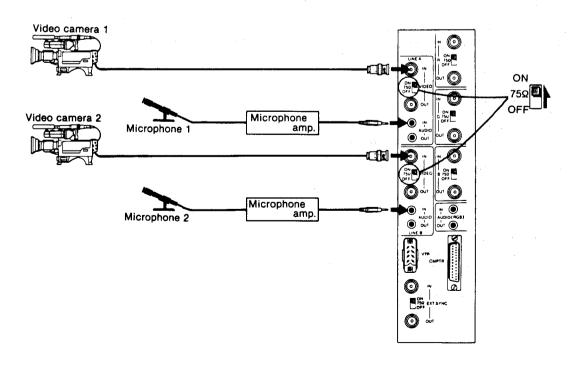
The color temperature of the PVM-1371QM has been preset to 6,500°K, and can be changed to 9,300°K.

If the switching of the color temperature is required, consult your authorized Sony dealer.

1-4. SYSTEM CONNECTIONS CONNECTING A VTR

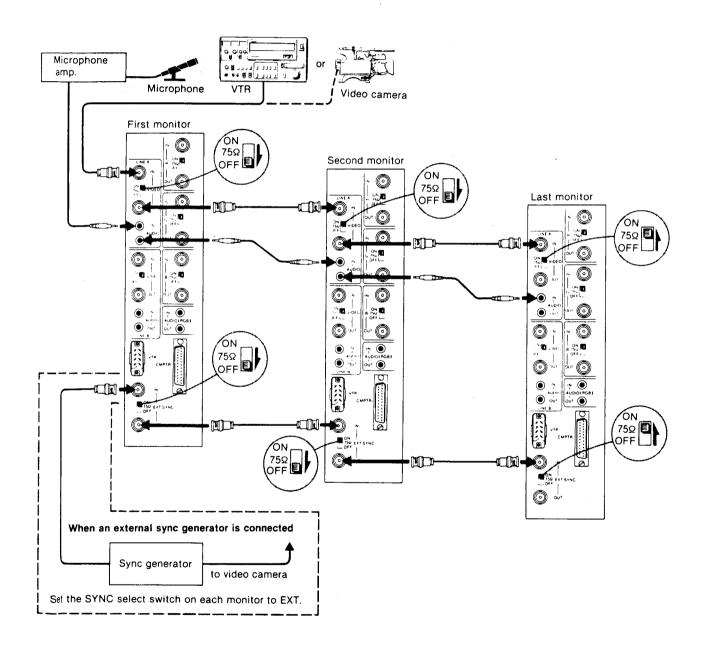


CONNECTING A CAMERA AND A MICROPHONE

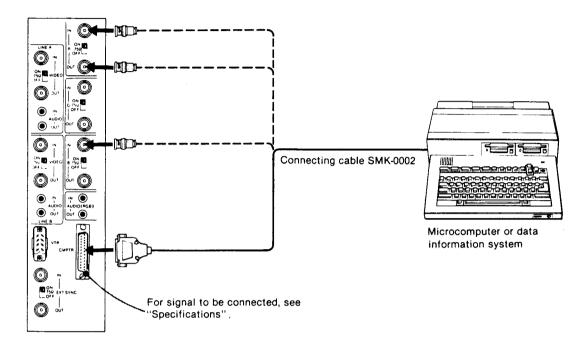


CONNECTING SEVERAL MONITORS

A loop-through connection is convenient for monitoring the same signal on other monitors. Use the video/audio input and output connectors of LINE A or LINE B to connect the monitors. Up to 10 monitors can be connected. Set the 75-ohm termination switch of the last monitor to ON and that of the other monitors to OFF.



CONNECTING A MICROCOMPUTER OR A TER-MINAL FOR DATA INFORMATION SYSTEM

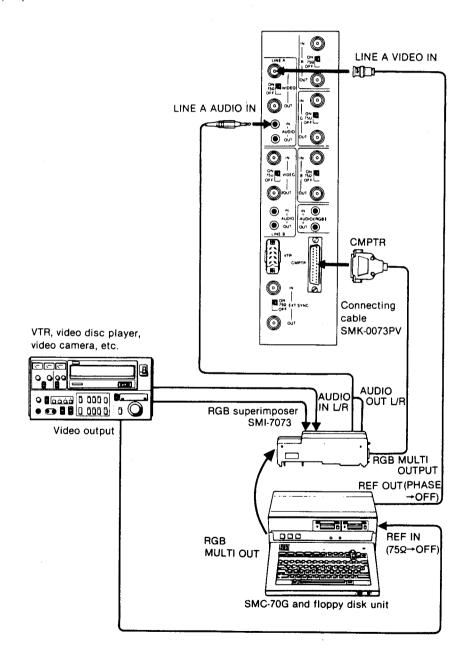


When a microcomputer has only a composite video output connector, connect it to the LINE A or LINE B VIDEO IN connector.

SUPERIMPOSING A PICTURE FROM A MICROCOMPUTER OVER A PICTURE FROM A VIDEO EQUIPMENT OR MIXING THESE TWO PICTURES

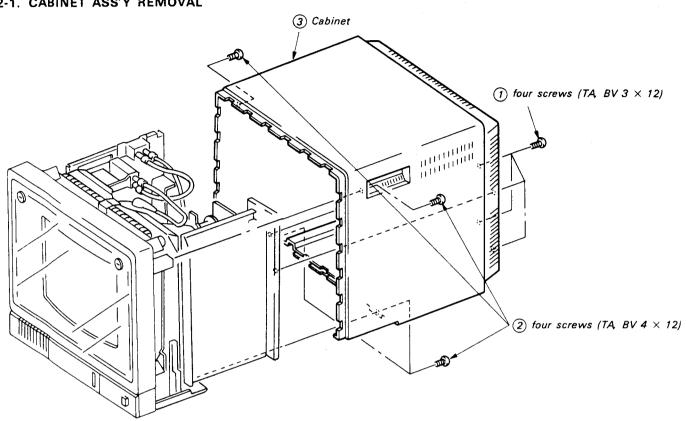
Using the Sony SMI-7073 superimposer, a picture from a microcomputer can be superimposed on this monitor's screen over a picture from video equipment.

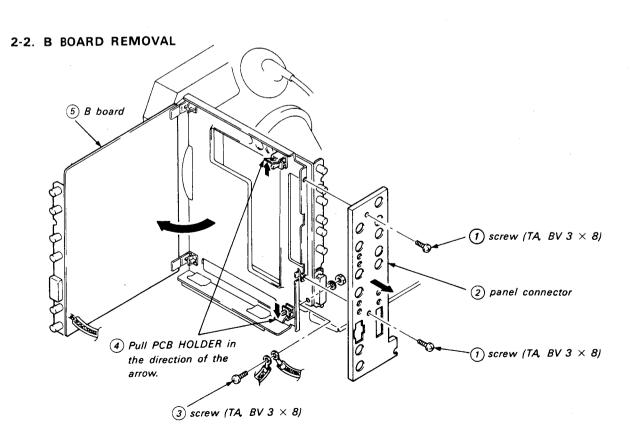
When the SMC-70 microcomputer is used, superimposition of pictures from a video disc player and from the SMC-70 is possible. When the SMC-70G microcomputer is used, superimposition of pictures from the SMC-70G and video equipment in addition to a video disc player, such as a video camera or a VTR, is possible.



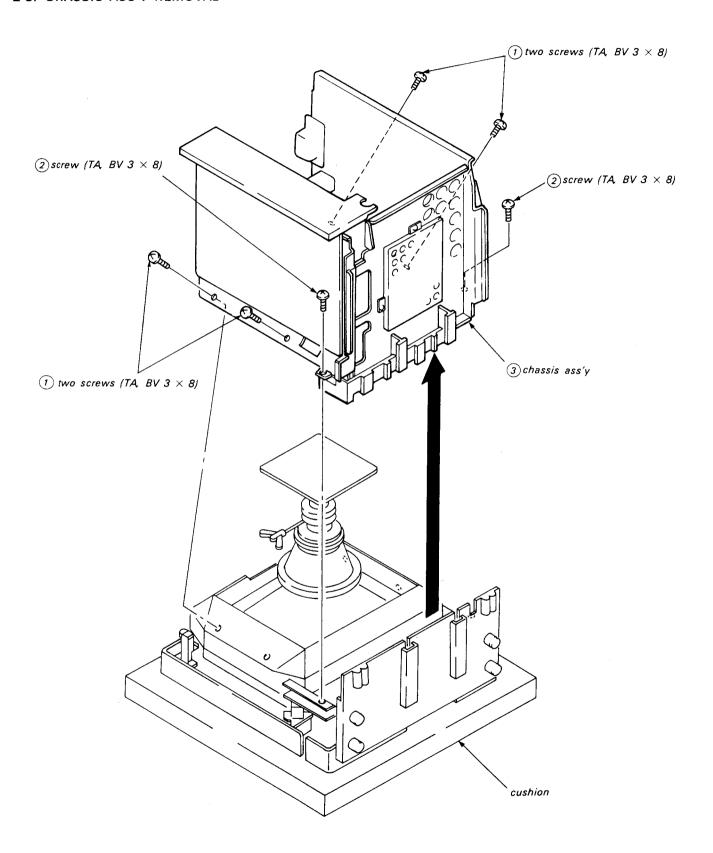
SECTION 2 DISASSEMBLY

2-1. CABINET ASS'Y REMOVAL

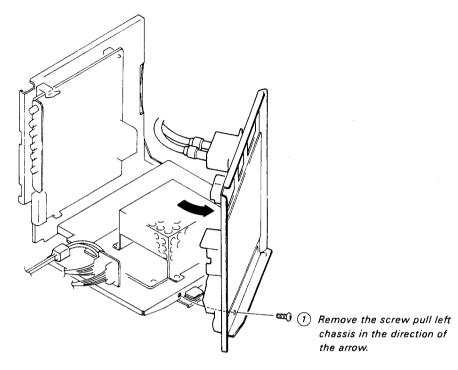


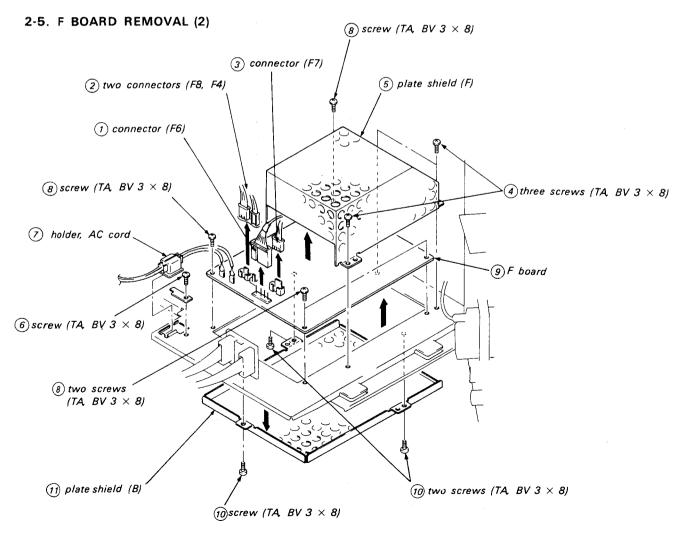


2-3. CHASSIS ASS'Y REMOVAL

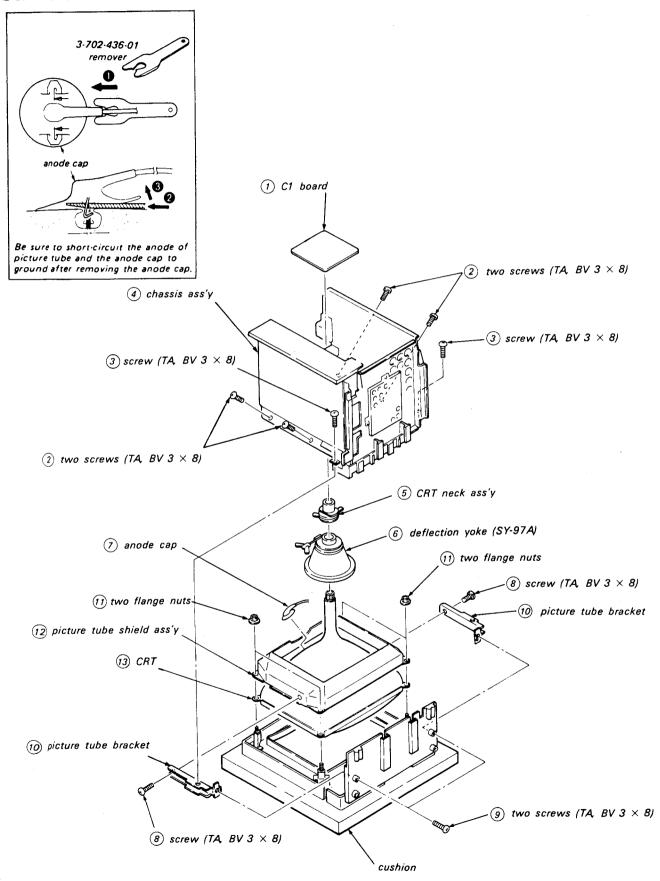


2-4. F BOARD REMOVAL (1)





2-6. PICTURE TUBE REMOVAL

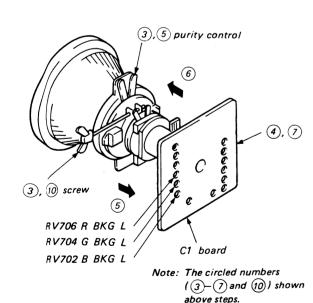


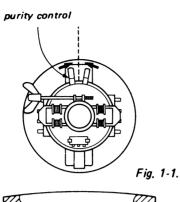
SECTION 3 SETUP ADJUSTMENTS

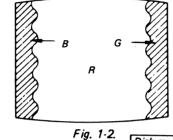
3-1. BEAM LANDING

Landing Adjustment In the case of a 6,500°K color temperature, the number of VRs to be adjusted will differ.

- (1) Turn on set power supply and receive and all-white signal.
- (2) Evenly degauss the entire screen.
- (3) Loosen the deflection yoke mounting screw, and set the purity control to the center as shown in Fig. 1-1.
- (4) Set BKG volume RV706 (R) to maximum and set RV704 (G) and RV702 (B) to minimum.
- (5) Move the deflection yoke back, and adjust the purity control so that (R) is in the center and (G) and (B) are at the sides, evenly. (Fig. 1-2)
- (6) Move the deflection yoke forward so that the entire screen is R.
 - * If the deflection yoke is pushed all the way to the CRT then moved slightly back, landing adjustment is easier.
- (7) Substitute (R), then (B) for (G) in step (4) and check landing.
- (8) Rotate (R), (G) and (B) once each and check landing.
- (9) When landing is not right, adjust the purity control and use magnets as shown in Fig. 1-3, then repeat steps (7) and (8).
- (10) When a magnet is used, be sure to perform step (2), and tighten deflection yoke mounting screw loosely.







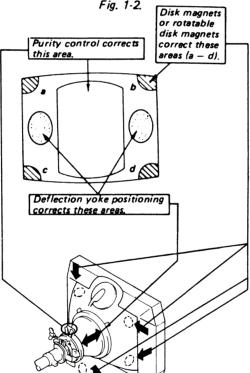


Fig. 1-3.

3-2. CONVERGENCE

Preparation:

- Before starting, perform FOCUS, H.SIZE, V.SIZE and V.LIN adjustments.
- Set BRIGHTNESS control to fully counterclockwise.
- Feed in the dot pattern.

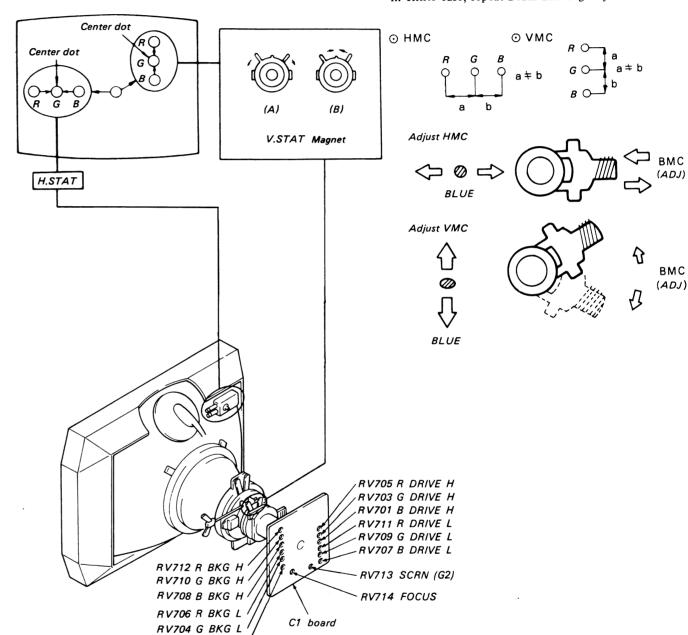
(1) Horizontal and Vertical Static Convergence

If blue dot does not coincide with red and green dots, perform following steps.

Move BMC magnet to correct insufficient H.static convergence.

Rotate BMC magnet to correct insufficient V.static convergence.

In either case, repeat Beam Landing Adjustment.



(1) Feed in monoscope signal, (PICTURE: 80%, BRIGHT: 50%)

3-3. FOCUS (RV714)

(2) Adjust RV714 for best Focus.

(2) Dynami

Preparation:

- Before st Static Co:
- 1. Loosen de
- 2. Remove of
- 3. Move the shown be
- 4. Tighten t
- 5. Install the

3-4. WHI

Preparations

Adjustment

1) Make the scope s

The G1
2) Adjust
R.G.B.
with G.

[For 6500°K

disappe

(1) Receive generate Set BRI

2) Attach a
C1 boai
CONT'
picture

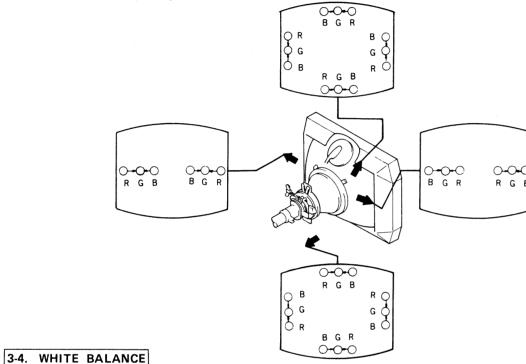
1.8V

RV702 B BKG L

(2) Dynamic Convergence Adjustment

Preparation:

- Before starting, perform Horizontal and Vertical Static Convergence Adjustment.
- 1. Loosen deflection yoke screw.
- 2. Remove deflection yoke spacers.
- 3. Move the deflection yoke for best convergence as shown below.
- 4. Tighten the deflection yoke screw.
- 5. Install the deflection yoke spacers.



вмс (ADJ)

вмс

(ADJ)

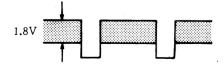
Preparations

Adjustment of Screen (G2)

- 1) Make th picture into minimum by receiving monoscope signal, and set the brightness at 50%. The G1 voltage at the time should be 5 ± 1 V.
- 2) Adjust BKG VRs (RV702, R704 and R706) so that R.G.B. Cathode voltage becomes 110V DC. Adjust with G2 VRs (RV713) immediately prior to the disappearing of the luminscent line.

[For 6500°K Color Temperature:]

- (1) Receive a totally white signal from the pattern generator.
 - Set BRIGHT at 50%, PICTURE at 0%, the various
- 2) Attach an oscilloscope to the input point B (blue) of C1 board, and perform adjusting with RV107 (SUB CONT VR) so that the signal of the maximum size of picture will become 1.8V.



- BKG VRs (RV702, RV704 and RV706) at 20%, and the various DRIVE VRs (RV707, RV709 and RV711)
- 4) Turn all the other BKG VRs than the one for the color that started glowing first, and adjust the white balance at cut-off.
- 5) Adjust the high light side white balance with drive
- 6) By turning other drive VRs than the one for the color glowing the brightest of all, adjust the white balance. Repeat operating steps 3) and 4).

[For 9,300°K Color Temperature:]

1) By turning BKG VRs (RV708, RV710 and RV712) and drive VRs (RV701, RV703 and RV705), make the same adjustment as in the 9,300°K color temperature mode.

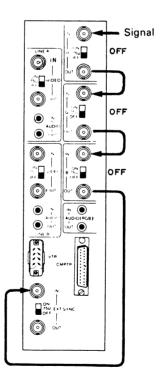
ADJUSTMENT OF RGB WHITE BALANCE

Preparations:

- 1) Connect the connector as shown in diagram. (Chroma off of color bar signal)
- 2) Set the mode switching button on the control panel to "R.G.B." mode.
- 3) PICTURE VR (RV684)... Maximum BRIGHTNESS VR (RV681)...50% at mechanical Confirm that pin (3) (green) of connector Q-4 is set at 1.8 Vp-p.
- 4) Set the BRIGHTNESS VR (RV681) at 50% and PICTURE VR (RV684) at minimum, and adjust with RV402 (BRT) so that the screen stripe to the second point counting from the right lights faintly.

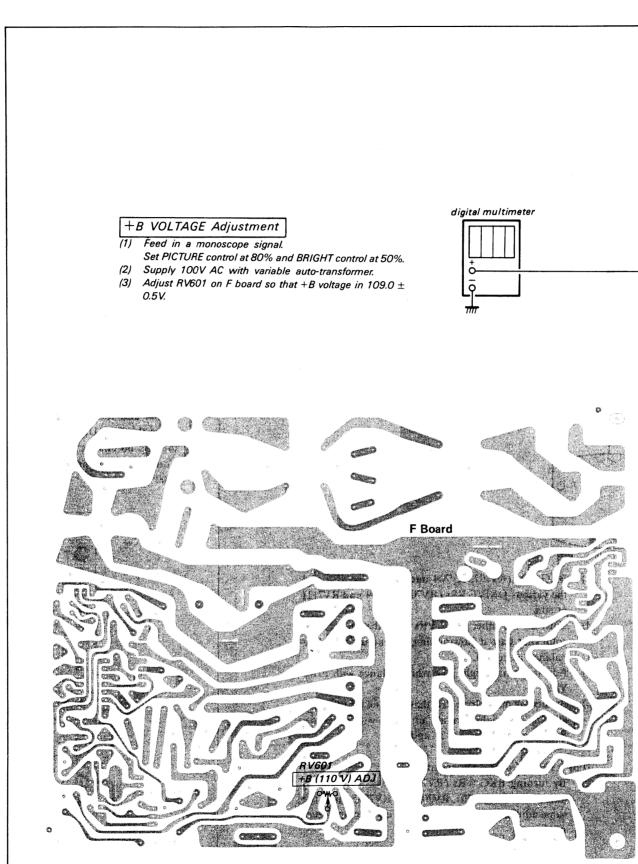
Adjustment:

- 1) Set the chromatic temperature selection switch at 6500°K.
- 2) PICTURE VR (RV684)... Minimum BRIGHTNESS VR (RV681)...50%.
- 3) Adjust the respective RGBs with BRT VR (RV403, RV404 and R405)
- Raise the PICTURE VR (RV684) and confirm that there is no change in the chromatic temperature
- Confirm by setting chromatic selection switch at



SECTION 4 CIRCUIT ADJUSTMENTS

4-1. D BOARD/F BOARD ADJUSTMENTS

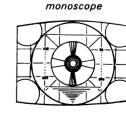


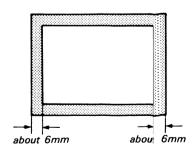
PICTURE PHASE Adjustment

- (1) Receive a monoscope signal and set SCAN N/U switch to UNDER mode.
- (2) Set picture at 0%, and bright at 100%.
- (3) Turn RV806 (UNDER H.SIZE) and adjust so that the pictuer size comes to a minimum.
- (4) Set R809 (H.CENT-2) at mechanical center, and adjust with RV812 (H.CENT-3) so that the deflection and phase of picture coincide.

HORIZONTAL DEFLECTION BLOCK Adjustment

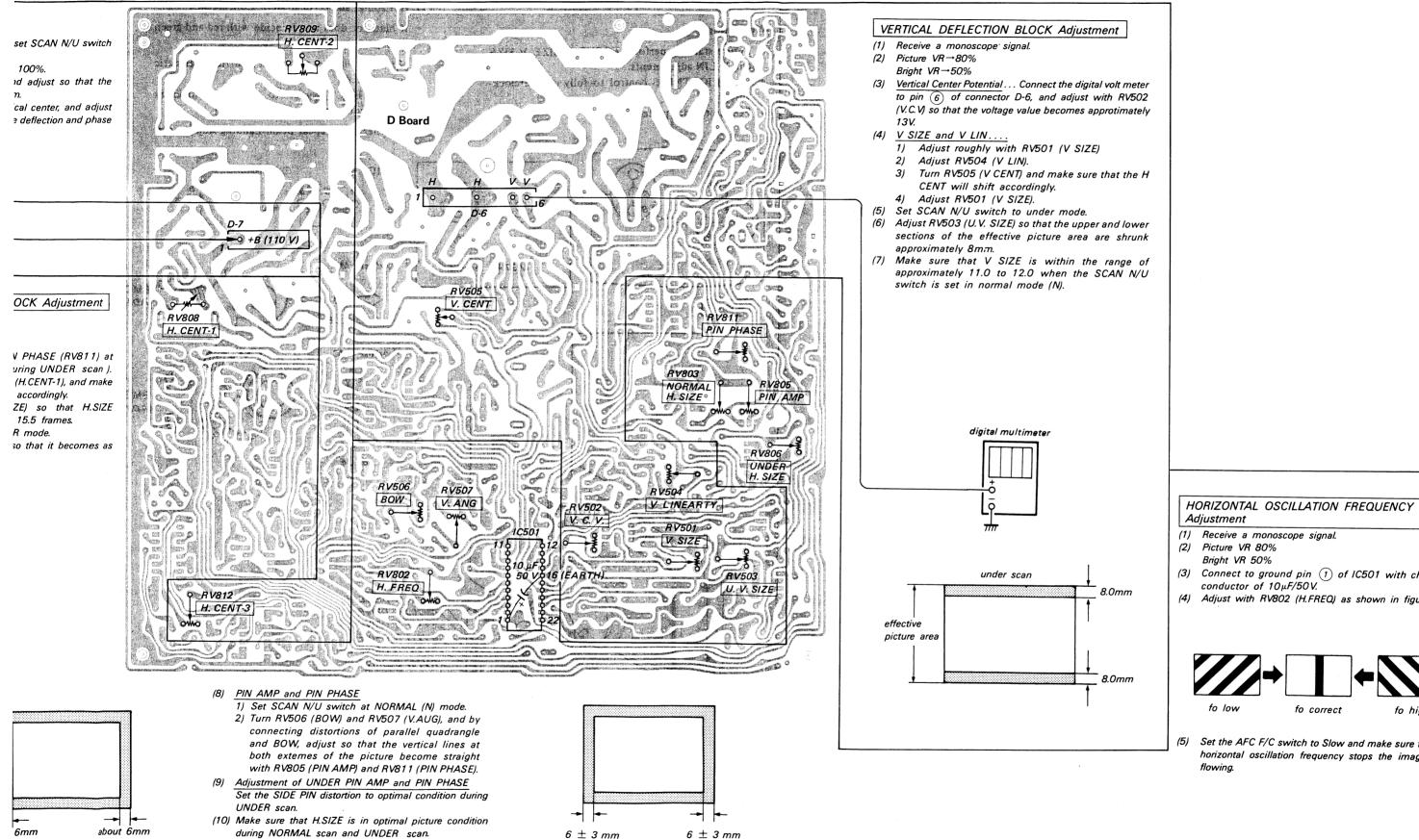
- (1) Receive a monoscope signal.
- (2) Picture VR→80% Bright VR→50%
- (3) Set PIN AMP (RV805) and PIN PHASE (RV811) at mechanical center (NORMAL during UNDER scan).
- (4) Adjust the H.CENTER with RV808 (H.CENT-1), and make sure that the H center will shift accordingly.
- (5) Adjust RV803 (NORMAL H.SIZE) so that H.SIZE becomes approximately 15.0 to 15.5 frames.
- (6) Set SCAN N/U switch at UNDER mode.
- (7) Adjust RV806 (UNDER H.SIZE) so that it becomes as shown in figure.



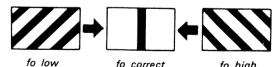


0- W-0 R V808

H. CENT-



- (3) Connect to ground pin 1 of IC501 with chemical
- (4) Adjust with RV802 (H.FREQ) as shown in figure.



Set the AFC F/C switch to Slow and make sure that the horizontal oscillation frequency stops the image from

The UNDER scan in approximately 14.0 to 15.0

frames during NORMAL scan.

6 ± 3 mm

6 ± 3 mm

4-2. B BOARD ADJUSTMENTS

APC Adjustment

- (1) 4.43 (APC-2) Adjustment
 - 1) Input a PAL color bar.
 - 2) Connect a 100kΩ resistor between IC103 pin (13) and ground. (Killer circuit goes off.)
 - 3) Connect IC104 pin (2) to +B via the 2.2kΩ resistor to get 4.43 mode.
 - 4) Ground IC103 pin (16) with a 10μ/16V chemical capacitor and remove color sync.
 - 5) Adjust RV105 (APC-2) to get color sync.

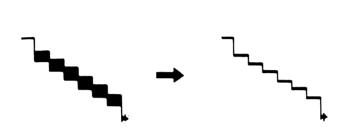
- (2) 3.58 (APC-1) Adjustment
 - 1) Input a NTSC color bar.
 - 2) Connect a $100k\Omega$ resistor between IC103 pin (13) and ground. (Killer circuit goes off.)
 - 3) Ground IC103 pin (16) with a 10μ/16V chemical capacitor and remove color sync.
- 4) Ground Q139 base momentarily to get 3.58 mode.
- 5) Adjust RV104 (APC-1) to get color sync.

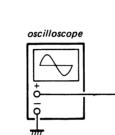
ANTI-PAL, LINE CRAWLING Adjustment

- (1) Anti-PAL Adjustment
- 1) Input a PAL color bar.
- 2) PICTURE 80% COLOR BRT 50%
- 3) Confirm that there is no color on the first anti-PAL signal frames at the right and left of the picture. If there is, adjust to remove the anti-PAL color sides while tracking with RV103. RV110 (DEL).
- (2) Line Crawling Adjustme
- 1) Input a PAL color b 2) Adjust T104 (DAT)
- 3) Confirm the anti-PA
- (2) and (1) if necess

CHROMA TRAP Adjustment

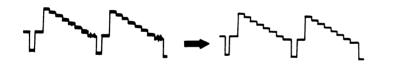
- (1) 4.43 Trap Adjustment
 - 1) Input a PAL color bar. 2) Observe IC103 pin (28) waveform on the oscilloscope and adjust T103 for minimum chrome component.
- (2) SECAM Trap Adjustment
 - 1) Input a SECAM color bar.
 - 2) Observe IC103 pin (28) waveform on the oscilloscope and adjust T102 for minimum chrome com-

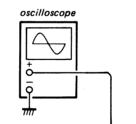




COMB FILTER Adjustment

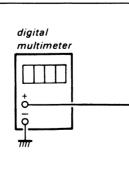
- (1) 1H Delay Adjustment
 - 1) Input a NTSC color bar.
 - 2) Observe the IC201 Pin 5 waveform on the oscilloscope, and adjust so that the chroma component is minimum while tracking with RV101 and T101.

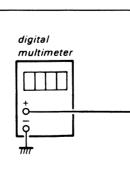


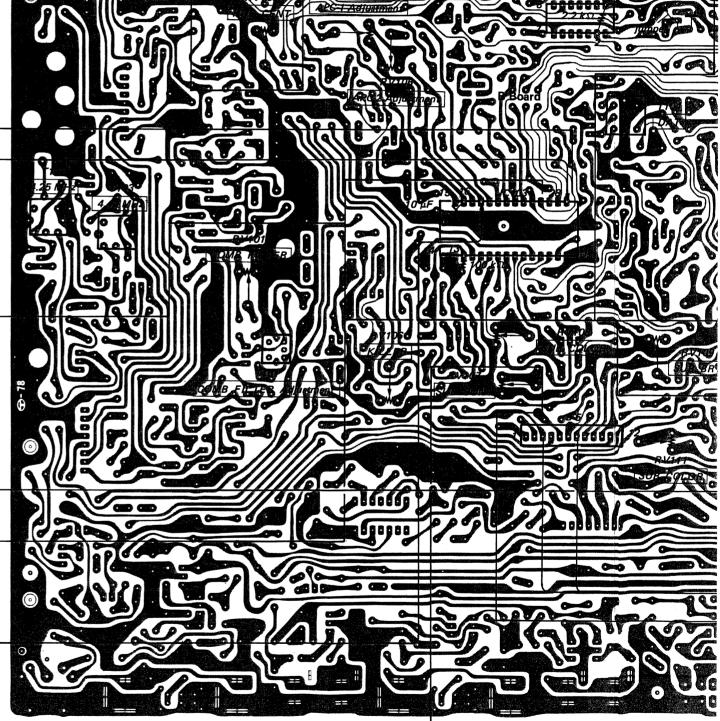


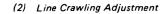
KILLER POINT Adjustment

- 1) Tune in an off-air signal.
- 2) Adjust RV305 so that the voltage on pin (18) of IC103 is $7.9V \pm 0.1V$ dc.

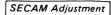








- 1) Input a PAL color bar.
- 2) Adjust T104 (DAT) for minimum line crawing.
- 3) Confirm the anti-PAL adjustment in (1), and repeat (2) and (1) if necessary.



- (1) Bell Filter Adjustment
 - 1) Input a SECAM color bar.
 - 2) Observe IC201 pin (17) waveform and adjust T201 (bell filter) so that the waveform level is uniform.





- 1) Input a SECAM color bar.
- 2) Connect a digital voltmeter between IC201 pin (25) and ground, and adjust T204 so that the digital voltmeter reading is maximum.

Adjust for variance from the peak value to be at OV in the core outserting direction, and within a 0.02V range in the core inserting direction.



oscilloscope

- pedestal.

(3) Color Balance Adjustment

2) PICTURE 80%

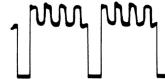
COLOR

BRT

1) Input a SECAM color bar.

50%

50%



4) Observe B-8 connector pin (3) (R Out) waveform on the oscilloscope and adjust T202 (R-Y) so that the black portion of the color bar is the same level as the

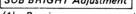
3) Observe B-8 connector pin (1) (B Out) waveform on the oscilloscope and adjust T204 (B-Y) so that the black portion of the color bar is the same level as the





- (1) Receive a monoscope signal.
- (2) Set BRIGHT and PICTURE for minimum position.
- (3) Observe B8 connector pin (1) (B out) on the oscillostal level is 1.8V DC.





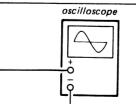
- cope, and adjust RV109 (sub-bright) so that the pedes-



SUB COLOR Adjustment

- 1) PICTURE 80% COLOR 50% BRT 50%
- 2) Apply 10.0 \pm 0.05V to pin \bigcirc of connector B-5.
- 3) Apply 5.8 \pm 0.05V to pin (7) of connector B-5.
- 4) Input SECAM color bars.
- 5) Adjust RV111 for the waveform at connector B-8 1) (B Out) to become as illustrated.
- 6) Receive PAL color bars.
- 7) Adjust RV108 for the waveform at connector B-8 (1) (B Out) to become as illustrated.





oscilloscope

digital

multimeter

oscilloscope

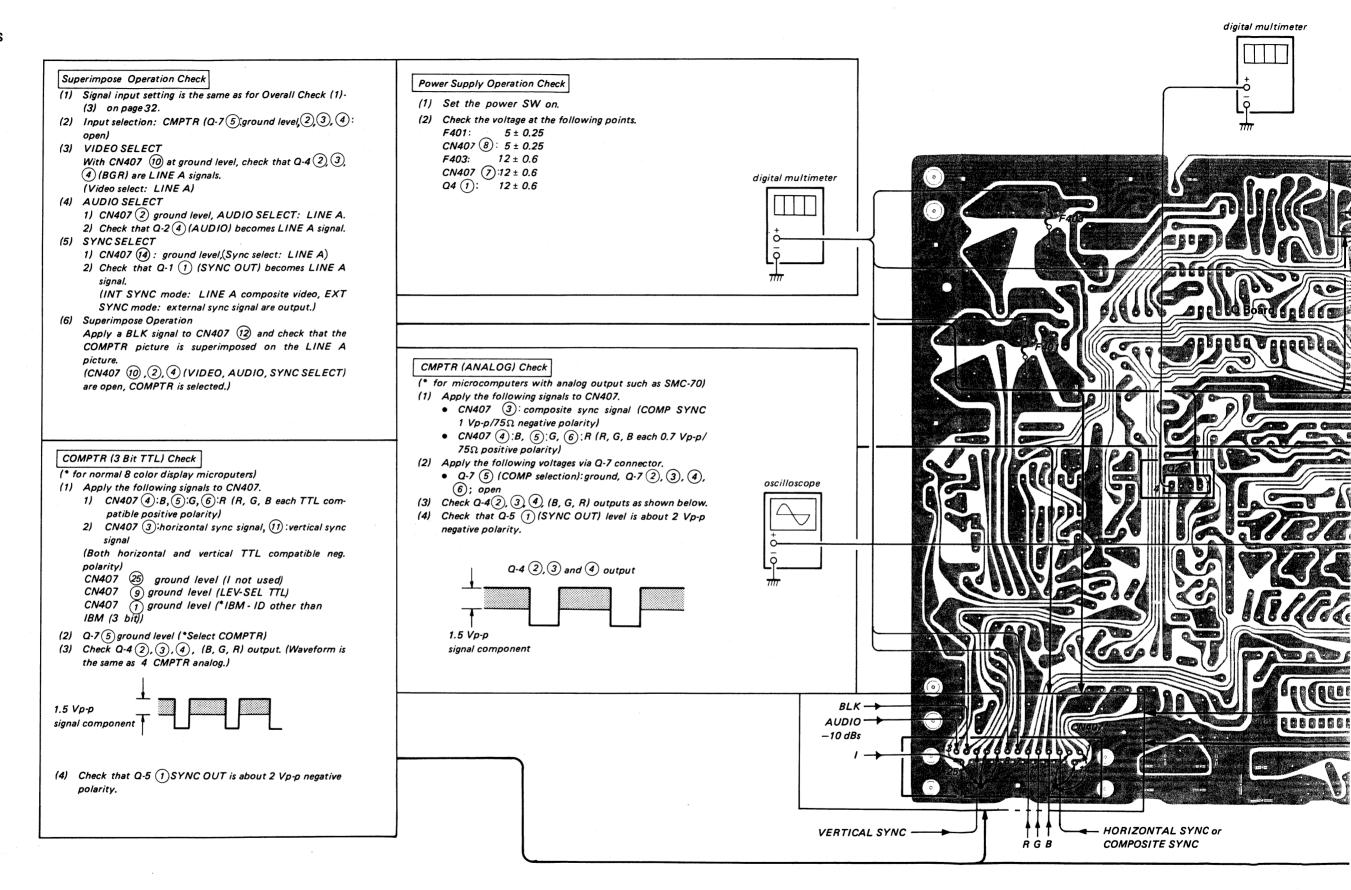
regulated-dc power supply

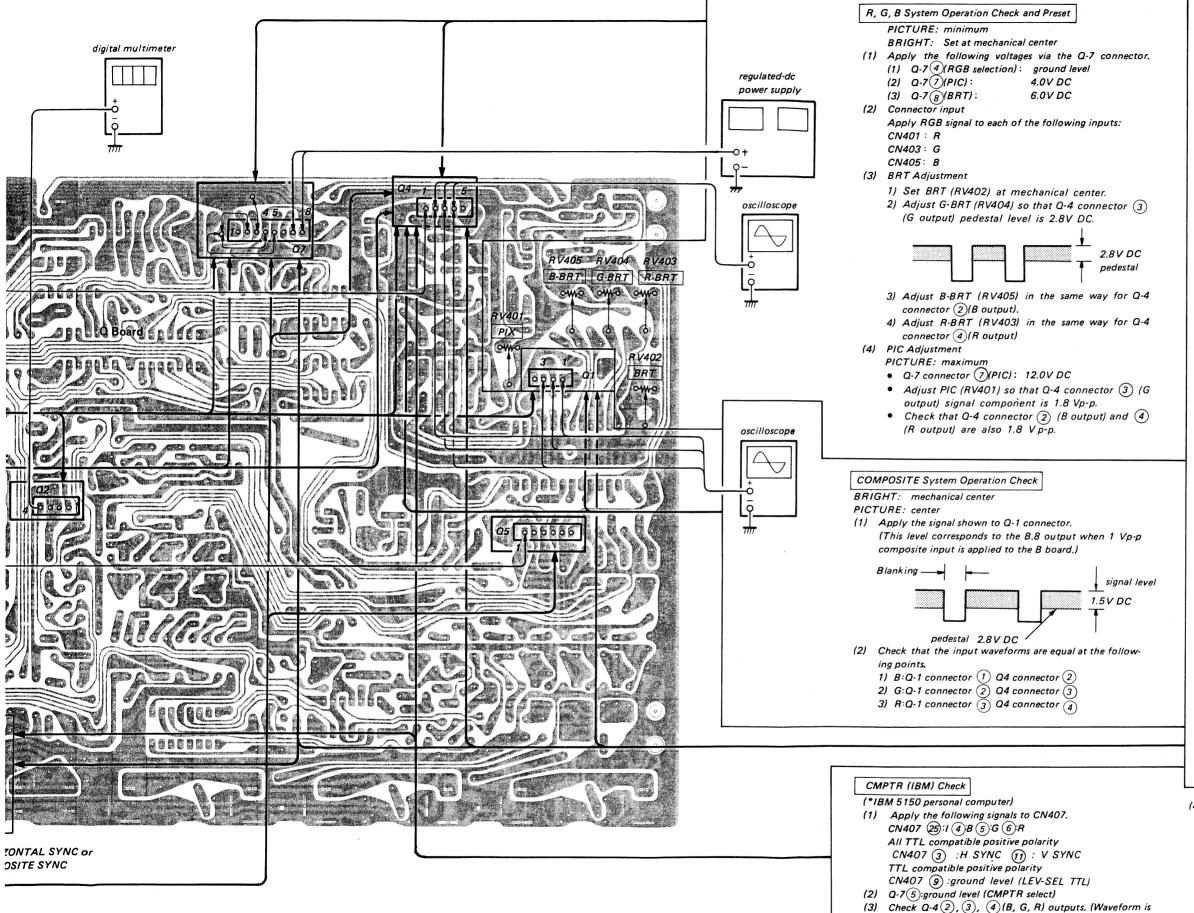
SUB CONTRAST Adjustment

- 1) Input a monoscope signal.
- 2) PICTURE: maximum (turned fully clockwise)
- BRIGHT: mechanical center
- 3) Observe B-5 connector pin (3) (B out) on the oscilloscope and adjust the sub contrast control (RV107). So that the signal component is 1.8 Vp-p.



4-3. Q BOARD ADJUSTMENTS





Overall Operation Check

(1) Apply video and audio signals to B board A, B VTR inputs

Also, apply a composite sync signal to the external sync input

(video input (composite) 1 $Vp-p/75\Omega$ audio input -10 dB external xync input 4 $Vp-p/75\Omega$ negative polarity. It is desirable to confirm selection and to check whether there is any overlopping with the respective inputs aside.)

(2) Q Board

- Apply these signals to R, G, B video and audio inputs. (video input (component RGB) 0.7 Vp-p/75Ω audio input -10 dBs)
- 2) Apply input signals to CMPTR connector.

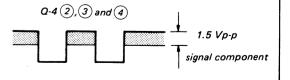
 CN407 ③ composite sync signal 1 Vp-p/75Ω 4, 5,
 6, B, G, R -0.7 Vp-p/75Ω

 CN407 ④ AUDIO -10 dBs

(3) LINE A Check

- 1) Input selection is LINE A, and sync selection is INT SYNC. (Q-72), 3, 4, 5, 7 open)
- 2) Check that LINE A decoded RGB signal is being output at Q-4(2), (3), (4), B, G, R.
- 3) Check that Q-2 (4) AUDIO is LINE A. (Level drops about -16 dBs (about 6 dB from connector input.))
- 4) Check that there is LINE A video at Q-1 () (SYNC OUT) (Level is 2 Vp-p)
- 5) Change sync selection to EXT SYNC. Check that at this time Q-1 (1) changes to composite sync signal from external sync connector.
- (Q-7 6) is ground level, output level about 2 Vp-p, negative polarity)
- (4) LINE B Check Select LINE B. (Q-7 2) ground level 3, (4), (5) open) Repeat steps 2)-5) for LINE A.
- (5) VTR Check Select VTR. (Q-7 3) ground level (2,4,5) open) Repeat steps 2)-5) for LINE A.
- (6) RGB Check
 - 1) Make input selection RGB. SYNC selection is internal sync. (Q-7 4) ground level, 2, 3, 6 open)
 - 2) Check that signals from R, G, B are coming out on Q-4 2, 3, 4 (R, G, B).
 - 3) Q-2 (4) (AUDIO) signal should be from RGB.
 - 4) Check that there is a composite sync signal from external sync connector at Q-1 (1) (SYNC OUT).
 - 5) Make sync selection EXT SYNC and make sure that Q-1 (1) output does not change. (In RGB mode, external sync is selected regardless of INT/EXT.)
- (7) COMPTR Check
 - 1) Input selection: COMPTR, SYNC selection: INT SYNC (0-7 5 ground level 2), 3, 4 open
 - 2) Check Q-4 (2), (3), (4) (B, G, R) and check Q-2 (4) (AUDIO).
 - 3) Check that Q-1 ()(SYNC OUT) is the signal from CN407 (3).
 - 4) Check that Q-1 1 does not change when changing sync selection from INT/EXT.

(4) Check that Q-5 () (SYNC OUT) is about 2 Vp-p negative polarity.

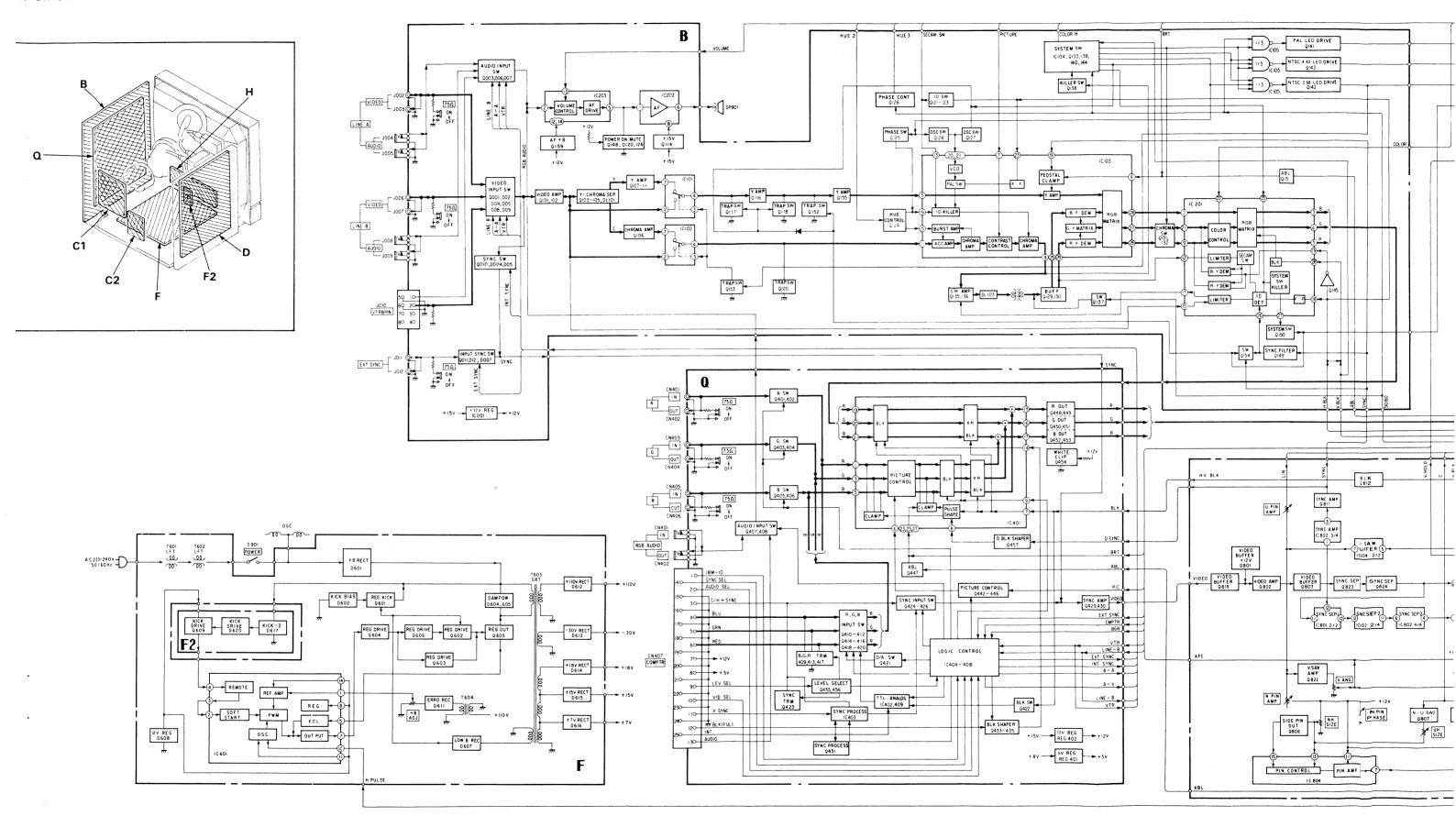


the same as 4 CMPTR analog.)

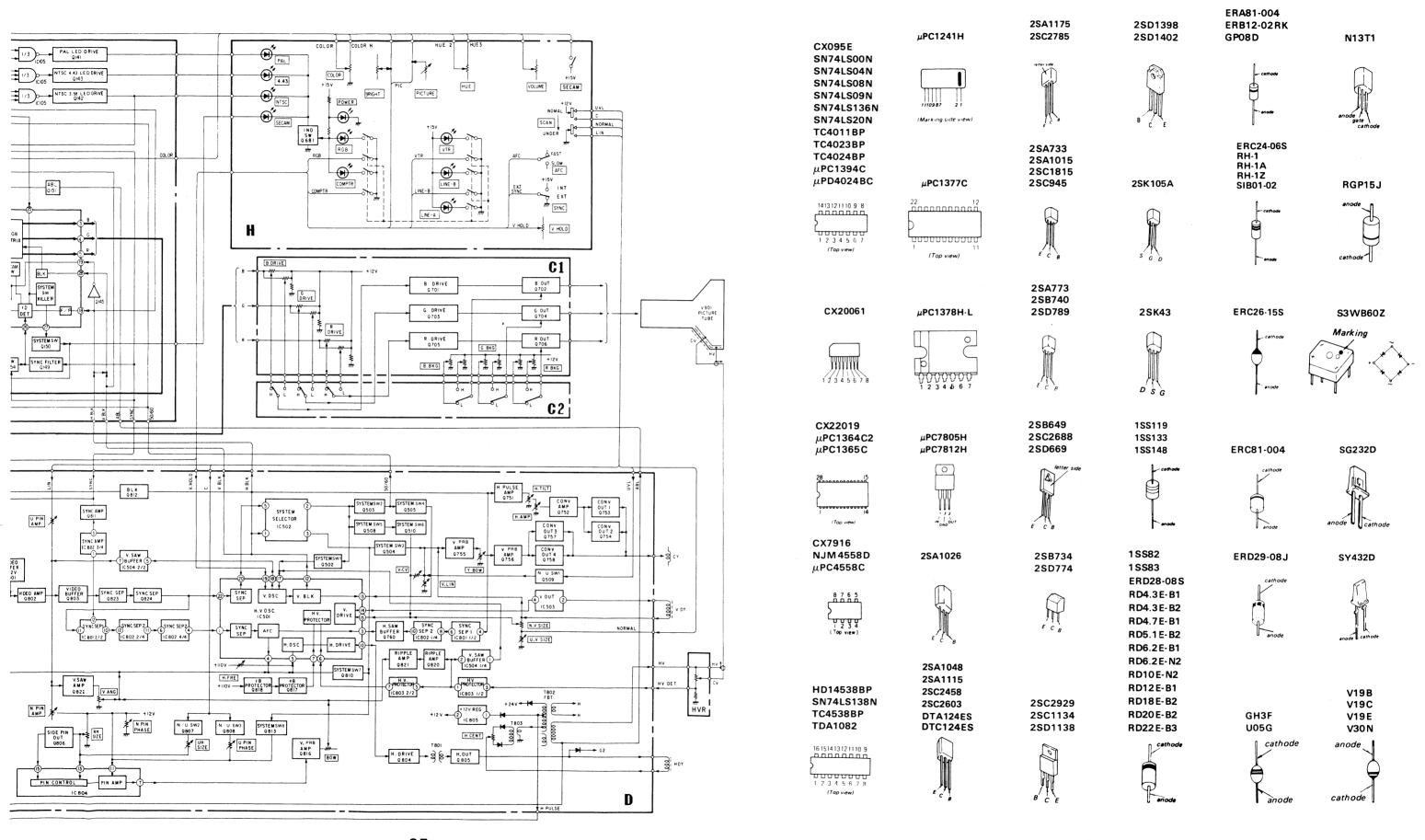
SECTION 5 DIAGRAMS

1. CIRCUIT BOARDS LOCATION

5-2. BLOCK DIAGRAM







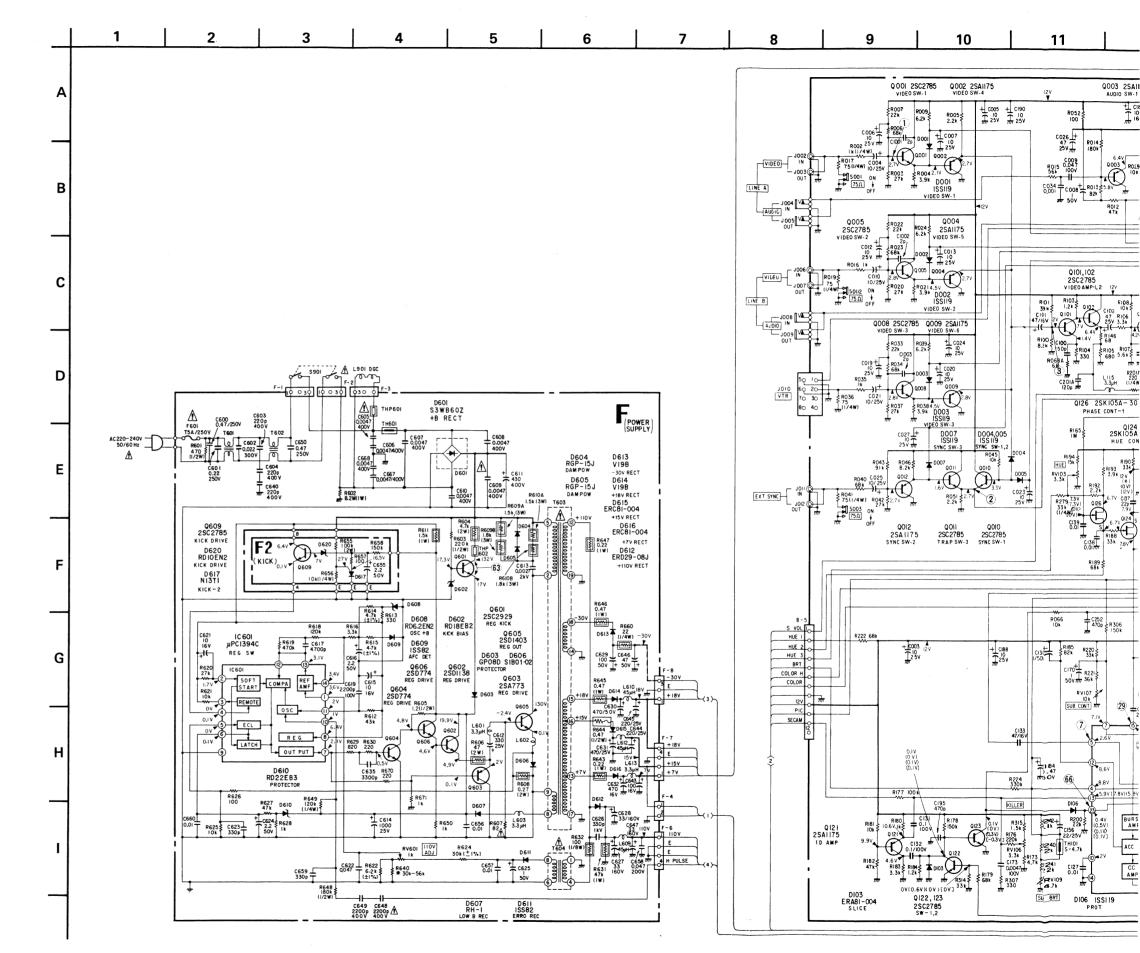
5-4. SCHEMATIC DIAGRAMS

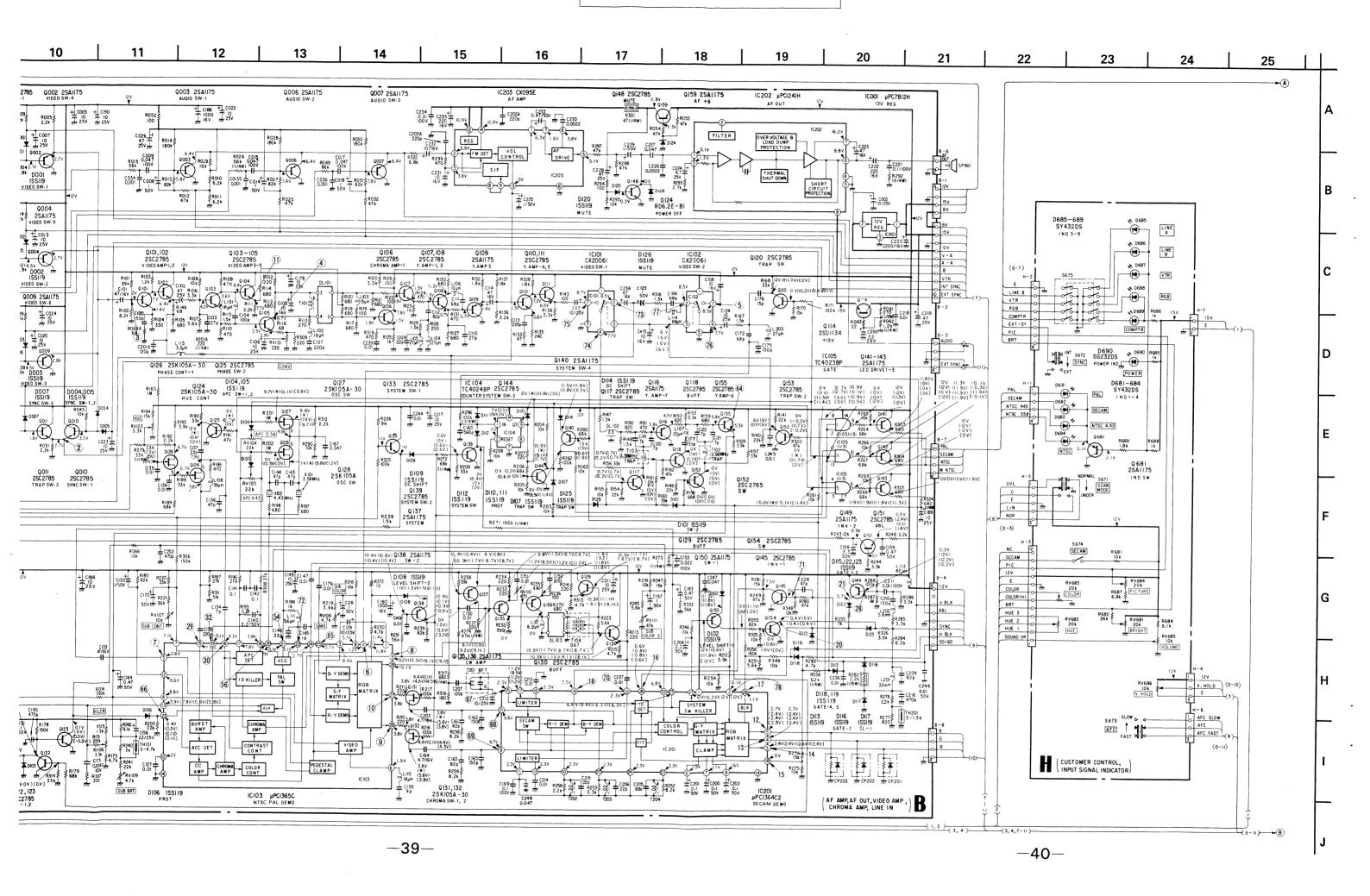
Note: The components identified by shading and mark A are critical for safety. Replace only with part number specified.

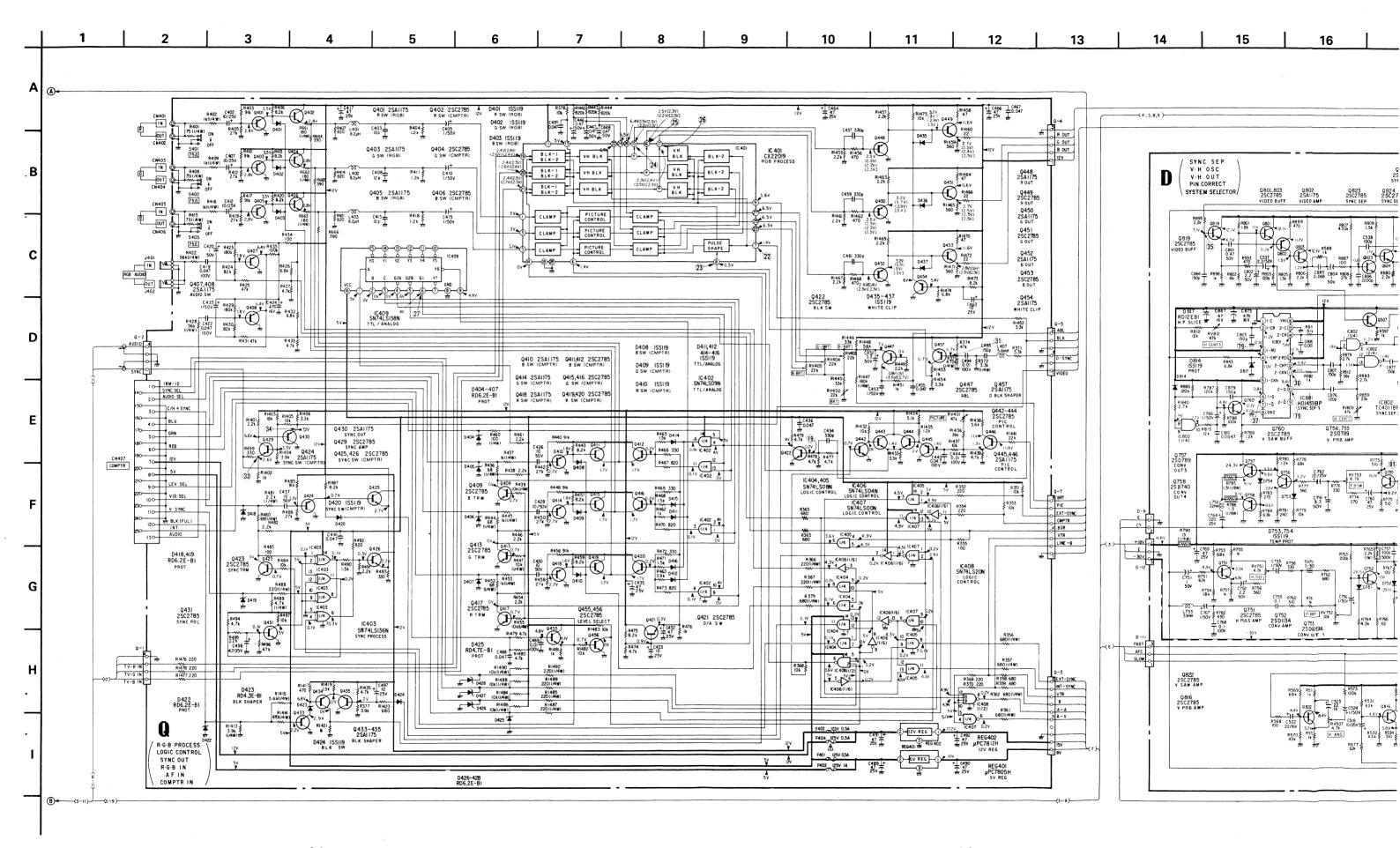
- All capacitors are in μ F unless otherwise noted. pF: $\mu\mu$ F 50WV or less are not indicated except for electrolytics.
- > All resistors are in ohms, 1/6W unless otherwise noted. $k\Omega=1000\Omega,\,M\Omega=1000k\Omega$
- nonflamable resistor.
- : fusible resistor
- $ightarrow \Delta$: internal component.
- _____: panel designation.
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.
- Readings are taken with a color-bar signal input to LINE A.
- Voltages are dc with respect to ground unless otherwise noted.
- The voltage value of IC601, Q601 to Q606 on F board and Q609 of F2 board is the reference value between the Q604 emiter.
-). Readings are taken with a $10 M\Omega$ digital multimeter.
- : adjustment for repair.
- Voltage variations may be noted due to normal production tolerances.
- ----: B + bus.
- **---** : B bus.
- (1): The number indicates No. of a waveform diagram.

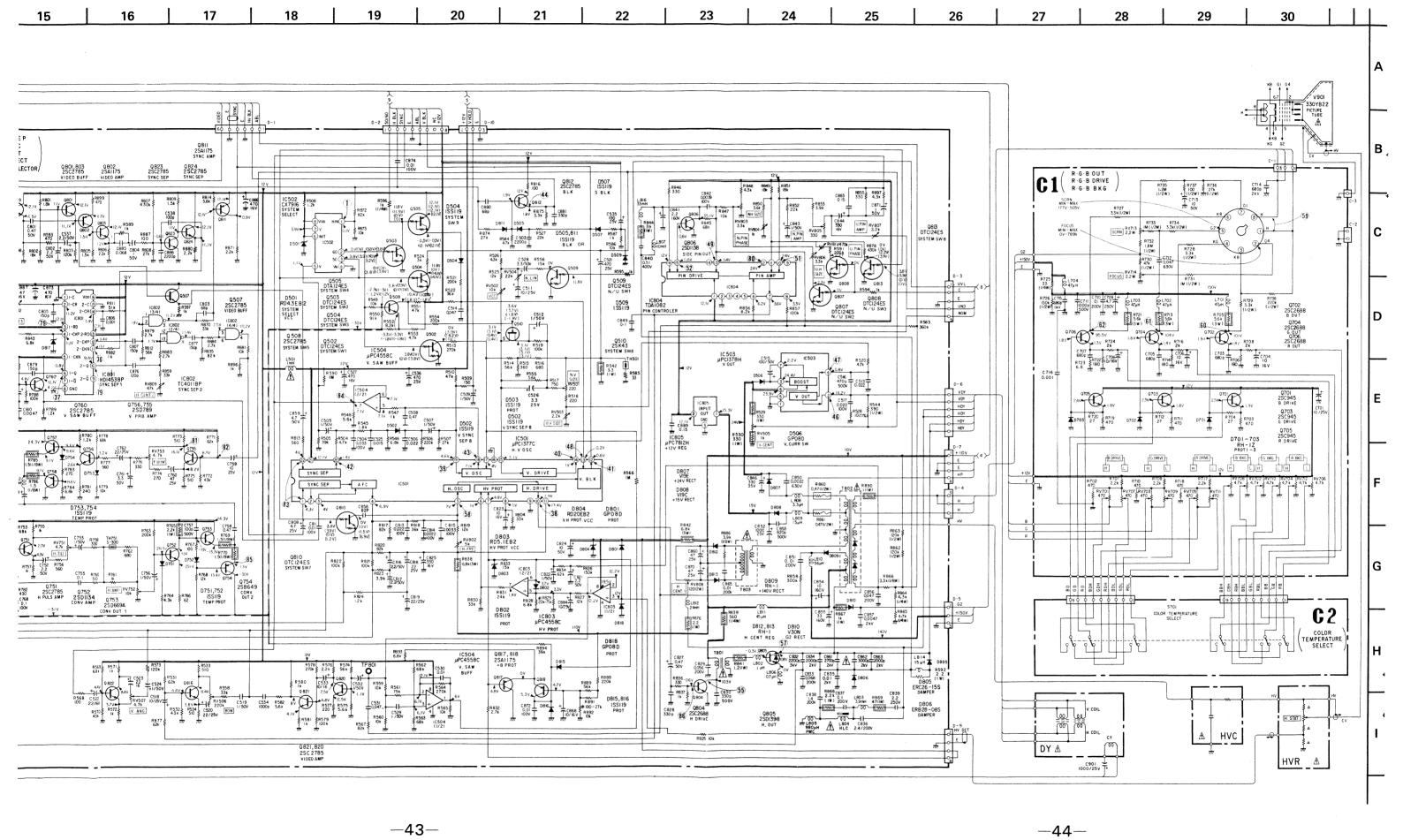
 For the waveform diagram, refer to page 53.
- no mark : PAL
 - (): SECAM
 - <~>: NTSC 3.58
 - []: NTSC 4.43
 - * : Can not be measured.
- * : Selected to yield optimum performance.

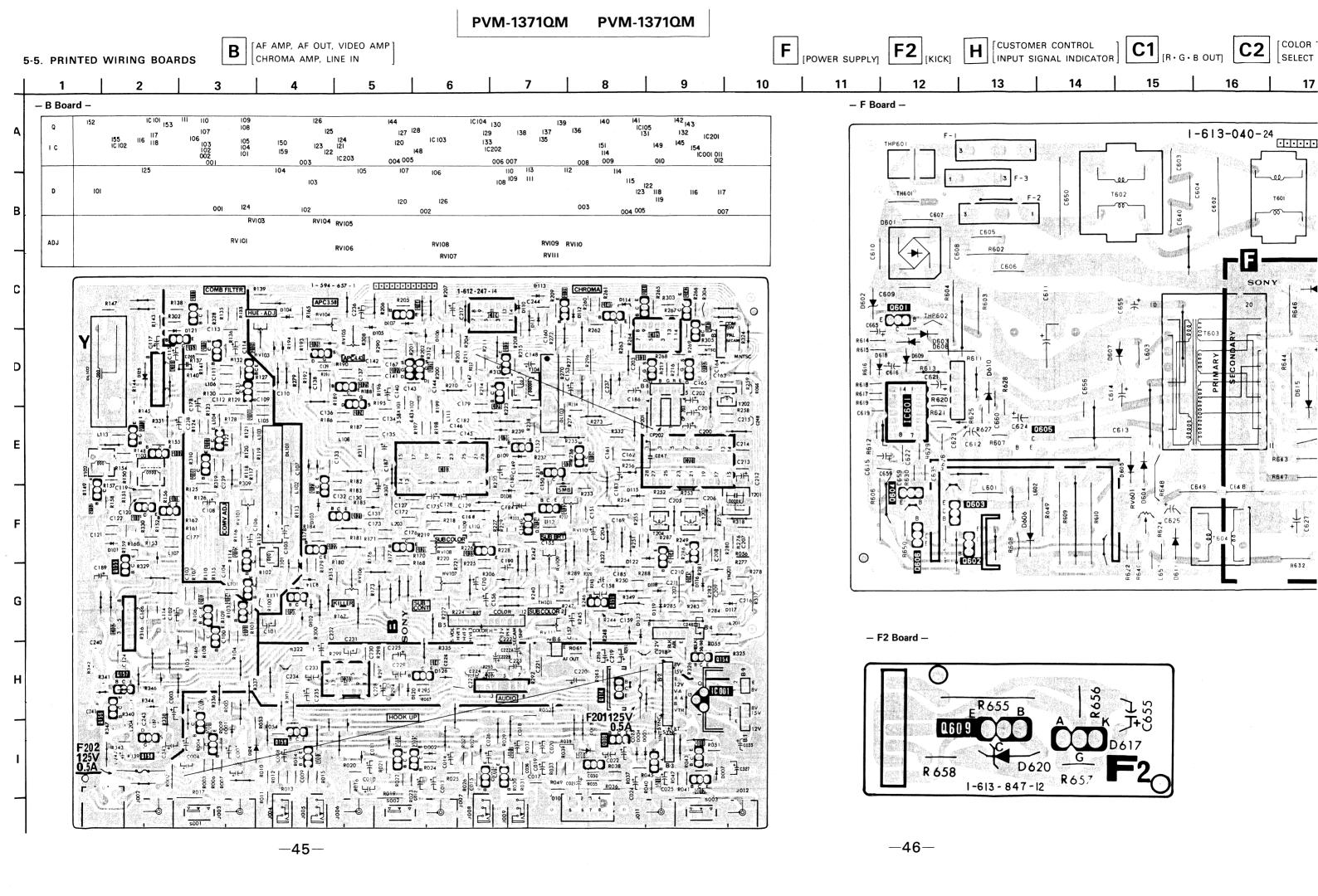
PVM-1371QM PVM-1371QM



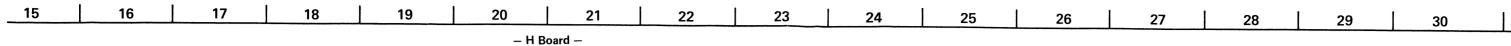


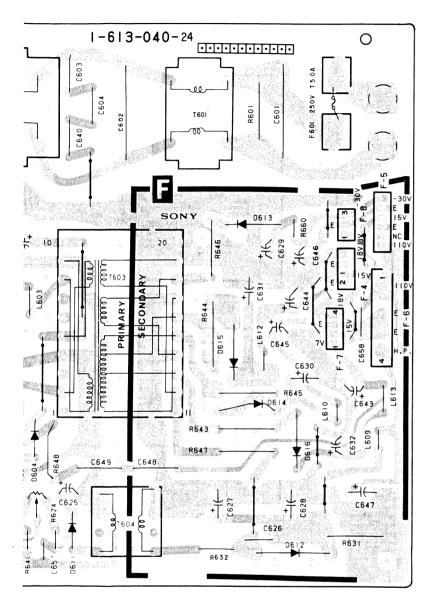


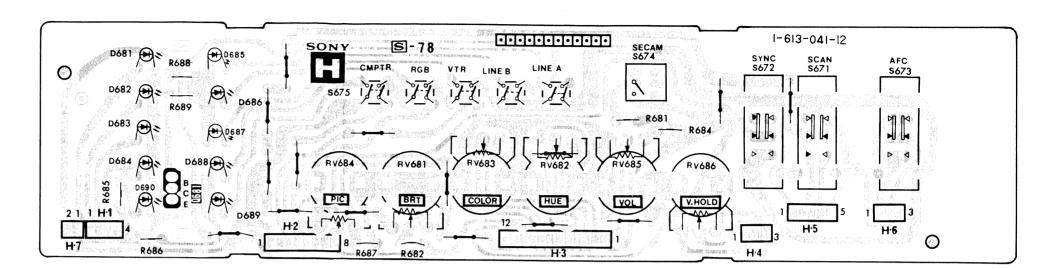


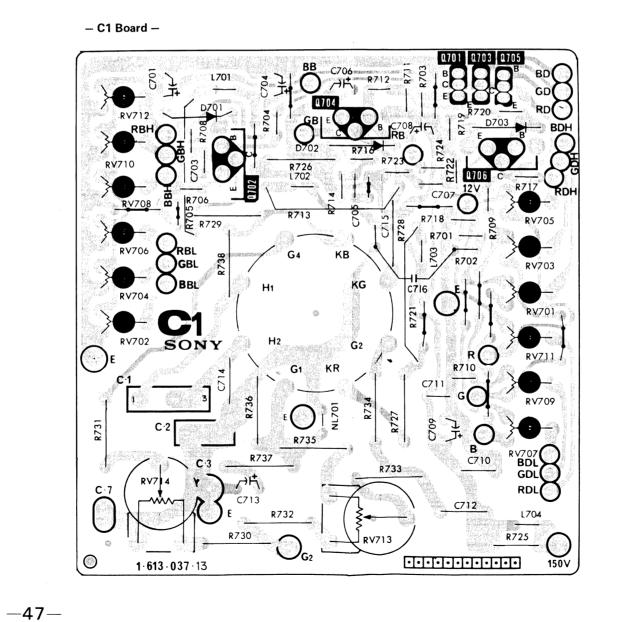


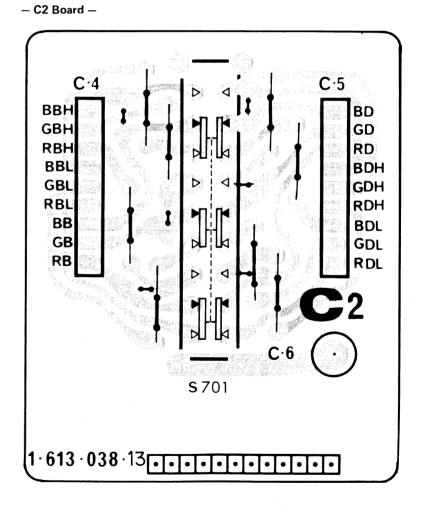




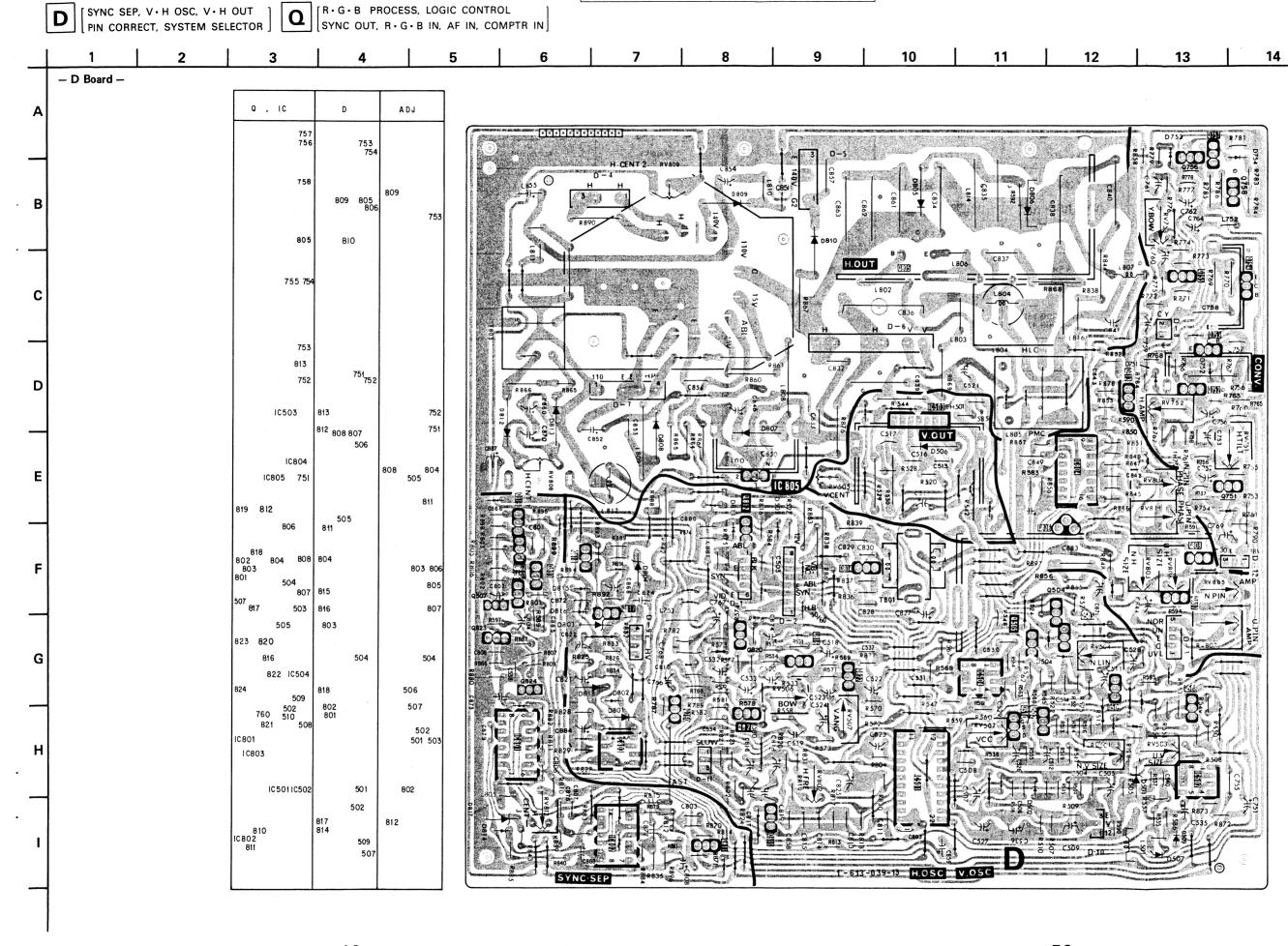








PVM-1371QM **PVM-1371QM**



[SYNC SEP, V.H OSC, V.H OUT]

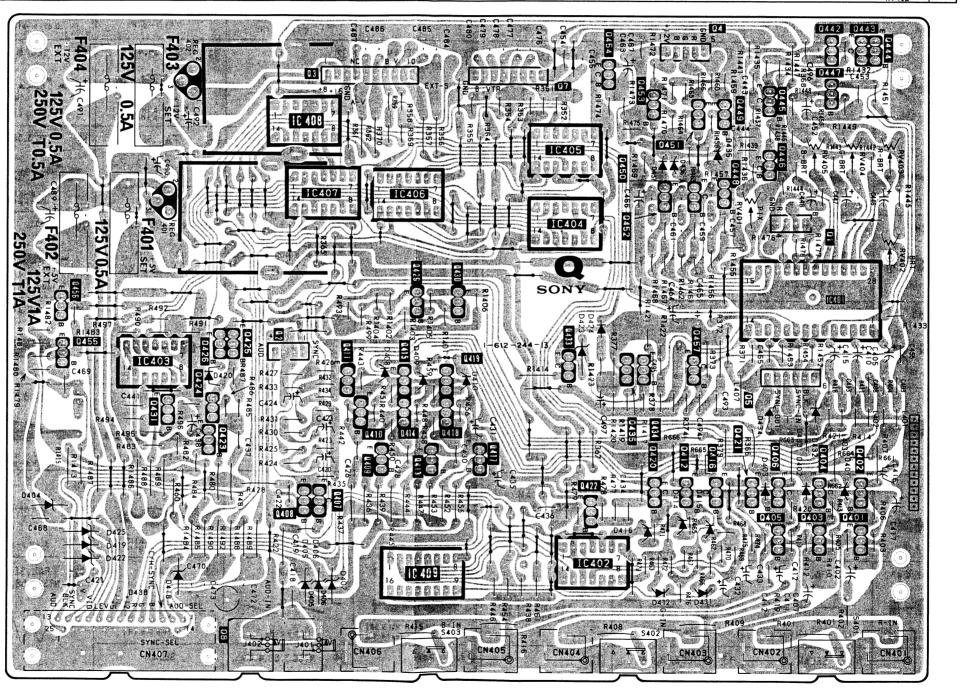
15

16

15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	

- Q Board -

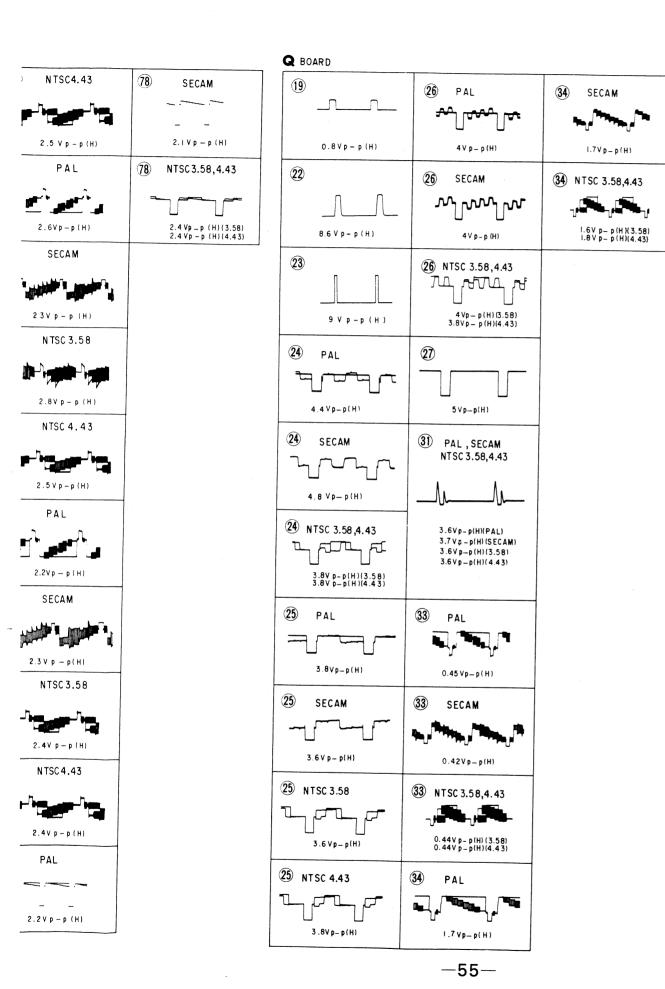
Q ,	456 455	REG402 REG401 IC403 426,425 431 424 431 423	1C408 1C407 410 410 409 415 419 408,407 410 409 414 413 418 417 1C409	454 453 459 445 447 443,444
D	404 425 419 422	420 418	408 409 410 405,406,407	423 424 437,436 435 401 416 414 415 403 402 D
ADJ				RV401 RV405 RV404 RV403 ADJ

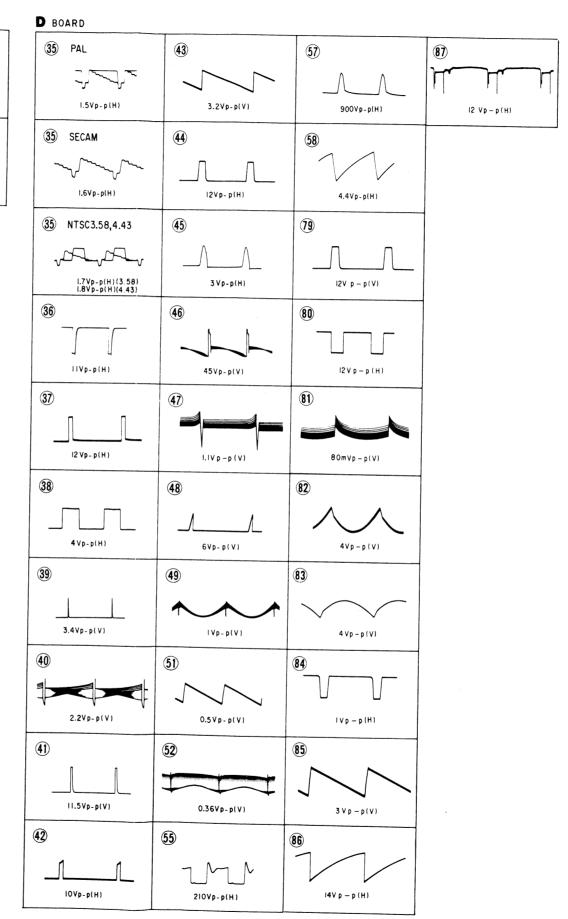


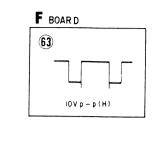
5-6. WAVEFORMS

B	BOARD

В вод	RD	-					Ţ					
1	PAL	4 SECAM	7 SECAM	① NTSC 3.58, 4.43	14 PAL	18 PAL, SECAM	30 SECAM	65 PAL	68 NTSC 3.58, 4.43	73 PAL	(75) NTSC4.43	78 SECAM
	Part of the same o			~ 1 1111 1	ما لمصالم	NTSC 3.58, 4.43		[-[~~~~~			
	IV p - p (H)	1.2 V p - p (H)	IV p - p (H)	1.2Vp - p(H) (3.58) 0.8Vp - p(H) (4.43)	4.4V p - p (H)		0.3 V p - p(H)	0.26V p — p (H)	0.9V p - p (H) (3.58) 0.8V p - p(H) (4.43)	3 V p — p (H)	2.5 V p - p (H)	2.1 V p — p (H)
1	SECAM	4 NTSC 3.58,4.4	13 7 NTSC 3.58,4.43	1) PAL	14 SECAM		30 NTSC 3.58,4.43	65 SECAM	69 PAL	73 SECAM	76 PAL	78 NTSC 3.58,4.4
	A STATE OF STATE OF				7,00,00	9 V p - p(H) (PAL) 10 V p - p(H) (SECAM) 9.5 V p - p(H) (3.58)	14 14 14 14		- 		La Company	
	O.9Vp-p(H)	1 V p — p (H)	1.1V p - p (H)	ار الله الله الله الله الله الله الله ال	4 V p - p (H)	9.5V p_p(H)(4.43)	0.2Vp-p(H)	0.4 V p - p (H)	0.85Vp-p(H)	3 V p - p (H)	2.6Vp-p(H)	2.4 Vp = p (H)(3. 2.4 Vp = p (H)(4.
1	NTSC 3.58, 4.43	⑤ PAL	8 PAL	11 SECAM	14) NTSC 3.58,4.43	20 PAL, SECAM NTSC 3.58, 4.43	32	65 NTSC 3.58,4.43	69 SECAM	(3) NTSC 3.58,4.43	76 SECAM	
-,				- January 19		N15C 3.36, 4.43			م المحم الم			
	O.85V p-p(H)	3V p-p(H)	4.4V p - p(H)	I.6Vp-p(H)	4 V p - p(H)(3.58) 4 V p - p(H)(4.43)	l n n	2.6 V p - p (H)	0.36 V p - p (H) (3.58) 0.28 V p - p (H) (4.43)	اليا (0.9 V p - p (H)	2.8 Vp - p(H)	2.3 V p - p (H)	
2	PAL	5 SECAM	8 SECAM	11) NTSC 3.58, 4.43	(5)		54 PAL, SECAM NTSC 3.58, 4.43	66 PAL, SECAM	(69) NTSC 3.58, 4.43	74 PAL	76 NTSC 3.58	
i	Maria Maria	AND DESCRIPTION OF STREET				7.2Vp - p(H)(PAL) 0.IVp - p(H)(SECAM) 7.2Vp - p(H)(3.58)	N 15C 5.00 , 4.45	\bigcap	3 - 3	□- [14		
	1 V p - p (H)	2.8 V p - p (H)	0.02V p - p(H)	1.5Vp-p(H)	3.6 V p - p (H)	7.2 V p - p (H)(4.43)	$\Lambda \Lambda \Lambda \Lambda$	3.4V p - p (H)	0.75 V p - p (H) (3.58) 0.45 V p - p (H) (4.43)	3V p - p (H)	2.8V p = p (H)	
2	SECAM	5 NTSC 3.58	8 NTSC 3.58 ,4.43	(12) PAL	16 PAL,	28 PAL, SECAM	1 000	66 NTSC3.58,4.43	70 PAL	74) SECAM	76 NTSC 4.43	
	Market Parket 198			مها لمحجها لعد	NTSC 3.58, 4.43	NTSC 3.58,4.43	0. 44V p = p (4.43 MHz)(PAL) 0. 55V p = p (4.43 MHz)(SECAM					
 	O.86V p - p (H)	2.8V p - p(H)	0.4 V p = p(H) (3.58) 0.28V p = p(H) (4.43			1 1, 1,	0.46V p - p (3.58 MHz) (3.58) 0.44V p - p (4.43 MHz) (4.43)	0.3V p - p(H)	0.44Vp-p(H)	2.5Vp-p(H)	2.5 V p – p (H)	
2	NTSC 3.58, 4.43	⑤ NTSC 4.43	9 PAL	12 SECAM			56 PAL , SECAM	67 PAL	70 SECAM	(4) NTSC 3. 58	77 PAL	
				ንሊ ^ታ	8V p - p(H)(PAL)	4V p = p (H) (PAL) 4.2V p = p (H) (SECAM)	NTSC 3.58,4.43			والمستريب	mark	
-	O.8Vp p (H)	3.2 V p - p (H)	0.9 V p - p (H)	4Vp-p(H)	8 V p - p (H) (3.58) 8 V p - p (H) (4.43)	4Vp - p (H) (3.58) 4Vp - p (H)(4.43)	Λ Λ Λ	0.6 V p - p (H)	0.2 V p – p(H)	2.2 V p - p (H)	2.2Vp = p (H)	
3	PAL	(6) PAL	9 SECAM	(12) NTSC 3.58, 4.43	(16) SECAM	29 PAL	 	67 SECAM	70 NTSC 3.58,4.43	74) NTSC 4.43	(77) SECAM	
_				IT AND AT			2.3Vp-p(4.43MHz)(PAL) 1.8Vp-p(4.43MHz)(SECAM) 2.2Vp-p(3.58MHz)(3.58)					
	O.9V p = p (H)	0.42Vp-p(H)	0.45V p - p(H)	4 V p - p (H) (3.58)	8V p - p (H)	1.8 V p = p(H)	2.2V p - p (3.58MHz)(3.58) 2.4V p - p (4.43MHz)(4.43)	0.5Vp-p(H)	0.4V p - p (H)(3.58) 0.32V p - p (H)(4.43)	2.4 V p — p (H)	2.3 V p - p(H)	
3	SECAM	6 SECAM	(9) NTSC 3.58,4.43	4 V p - p (H) (4.43)	17 PAL SECAM	29 SECAM	64) PAL	67) NTSC3.58,4.43	0.32Vp-p(H)(4.43)	(75) PAL	(7) NTSC 3.58	-
	Mar Mar JA				PAL, SECAM NTSC 3.58, 4.43				\	n n n		
	O.9Vp - p (H)	0.48Vp-p(H	, , , , , , , , , , , , , , , , , , , ,		^ ^	2,2Vp-p(H)	0.9V p-p(H)	0.8 V p - p (H)(3, 58) 0,4 V p - p (H)(4, 43)	3.2 V p - p(H)	2.4V p - p (H)	2.4V p - p (H)	
3	N TSC 3.58 , 4.43	6 NTSC 3.58, 4.		4V p - p (H) (13) SECAM		29 NTSC 3.58,4.43	64 SECAM	0,4 V p - p (H) (4.43) (68) PAL	PAL, SECAM	75) SECAM	(77) NTSC 4.43	_
					5.2 Vp - p(H) (PAL) 55 V p - p(H) (SECAM) 5 Vp - p(H) (3.58) 5 V p - p(H) (4.43)	A CONTRACTOR AND A CONT		nn. ann. ar	NTSC3.58,4.43	ماسط ماسين باسد		
7	O SEV D = (11)	0.5Vp-p(H) (3.58) I.IV p = p (H)	4Vp - p (H)	5 V p - p(H) (3.58) 5 V p - p(H) (4.43)	I.6V p - p (H)(3.58)	100.000	1000000	$\wedge \wedge \wedge$	and the same of		
4	0.85V p - p (H)	0.5V p-p(H) (0.3V p-p(H) ((10) SECAM	(13) NTSC 3.58,4.43	2)	1.8 V p - p (H) (4.43) 30 PAL	(64) NTSC 3.58,4.43	0.7V p - p (H) (68) SECAM		2.4 V p - p (H) (75) NTSC 3.58	2.4V p - p (H) 78 PAL	_
	FAL		TO SECAM	(3) N13C3.36,4.43			المول الماليول المالي		0.28 V p - p (4.43 MHz)(PAL) 0.36 Vp - p (4.43 MHz)(SECAM)	"	78) PAL	
B ++		ما المسمعالية		4 Vp - p (H) (3.58)	الـــالــ	p +4 (m) + 1 (m) +4 (m)		Mennaman	0.36Vp = p (4.43 MHz)(SECAM) 0.34Vp = p (3.58 MHz)(3.58) 0.28Vp = p (4.43 MHz)(4.43)			
	1.3Vp-p(H)	0.7 V p - p (H)	0.7Vp - p (H)	4Vp - p (H) (4.43)	12 V p – p (H)	0.3 V p - p (H)	1.1V p - p (H)	I.I V p - p (H)		2.2V p - p (H)	2.2Vp-p(H)	







C1 BOARD

60 PAL

24 V p - p(H)

1 Lande

Monto

60 NTSC 3.58,4.43

The Father

80Vp-p(H)

SECAM

65V p - p (H)

60V p - p (H)

(61) NTSC 3.58, 4.43

M MANA MA

62 SECAM

70 V p - p (H)

MMMM

(62) NTSC 3.58,4.43

65 Vp - p (H) (3.58) 70 Vp - p (H) (4.43)

(61) PAL

SECAM

59

SECTION 6 EXPLODED VIEWS

NOTE:

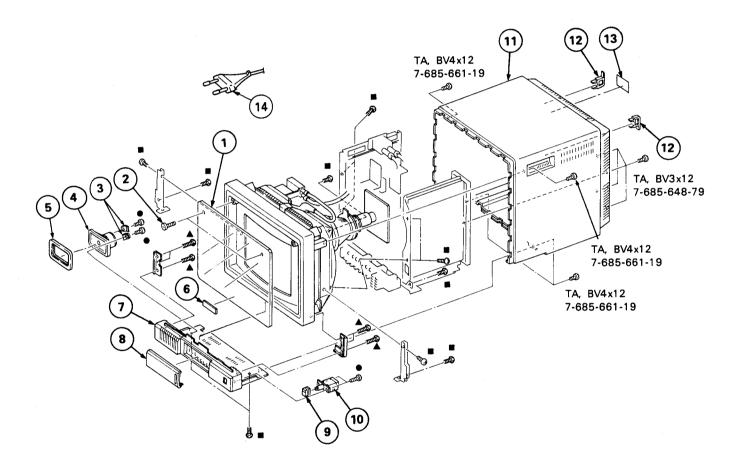
- · Items with no part number and no des-
- cription are not stocked because they are seldom required for routine service.

 The construction parts of an assembled part are indicated with a collation number in the remark column.
- Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

The components identified by shading and mark A are critical for safety.
Replace only with part number specified.

(1) CABINET ASS'Y

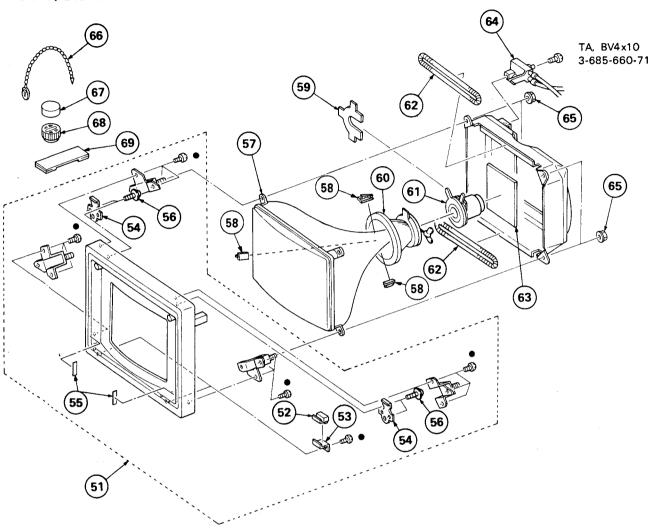
■ : TA, BV3x8 7-685-646-71 • : TA, BV3x12 7-685-648-71 ▲ : TA, BV4x12 7-685-661-14



No.	Part No.	Description	Remark	No.	Part No.	Description	Remark
1 2 3 4 5 6 7 8 9	*4 -321-611-00 1-503-109-00 *4 -364-741-00 *X -3701-079-0 X -4365-403-1 X -4364-704-2	SCREW, ORNAMENTAL CLAW, RETAINING, SPEAKER SPEAKER CUSHION, SPEAKER EMBLEM (SMALL) ASSY, SONY PANEL ASSY, CONTROL	8	11 12 13	1. 1-554-967-11 1. 1-4365-404-1 1. 1-316-003-00 1. 1-558-159-11	CABINET ASSY HOLDER, CORD LABEL, MODEL NUMBER	12

(2) BEZEL ASS'Y

• : TA, BV3x12 7-685-648-71

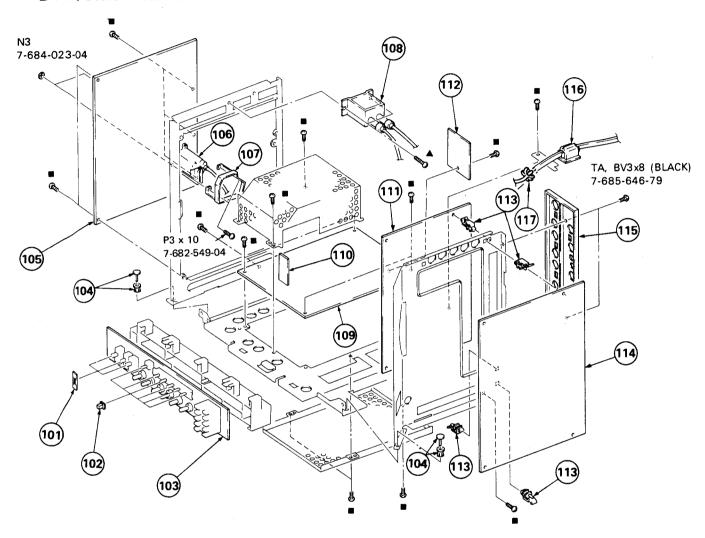


No.	Part No.	Description	Remark	No.	Part No.	Description	Remark
51 52 53 54 55 56 57 58 59	4-364-701-00 *4-341-905-00 9-911-837-XX 4-302-428-00 Δ-8-738-312-05 3-703-961-01 1-452-146-21	PROTECTOR, FILTER HOLDER, FILTER NUT, PLATE (A) CUSHION (B), FILTER HEAD, WASHER, TAPPING SCREW CRT (330YB22) SPACER, DY	52-56	62 63	★.1-426-086-12 ★A-1330-541-A ★.1-228-482-14 4-306-034-00 4-308-870-00 1-452-032-00 1-452-094-00	CRT NECK ASSY (H TYPE) COIL, DEGAUSSING C1 BOARD, COMPLETE RESISTOR ASSY, HIGH-VOLTAGE FLANGE NUT, (B) 5MM CLIP, LEAD WIRE MAGNET, DISK; 10MM & MAGNET, ROTATABLE DISK; 15MM & PERMALLOY ASSY, CONVERGENCE	,

The components identified by shading and mark A are critical for safety. Replace only with part number specified.

(3) CHASSIS ASS'Y

■ : TA, BV4x12 7-685-661-14 ▲ : TA, BV3x8 7-685-646-71



No.	Part No.	Description	Remark	No.	Part No.	Description	Remark
101 102 103 104 105 106 107	4-369-627-01 *1-613-041-11 3-646-090-00 *A-1345-472-A \$.1-439-308-12 *4-364-749-00	H BOARD		115	*1-613-847-11 *A-1275-057-A *1-613-038-11 *3-703-141-00 *A-1135-334-A 4-365-421-01	Q BOARD, COMPLETE C2 BOARD HOLDER, PCB B BOARD, COMPLETE PANEL (C), CONNECTOR BUSHING, AC CORD	

The components identified by shading and mark ∆ are critical for safety. Replace only with part number specified.



SECTION 7 ELECTRICAL PARTS LIST

NOTE:

The components identified by shading and mark A are critical for safety. Replace only with part number specified.

 Items marked "* are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

When indicating parts by reference number, please include the board name.

 All variable and adjustable resistors have characteristic curve B, unless otherwise noted. CAPACITORS • MF : ארע, PF - ארע, RESISTORS

COILS

• All resistors are in ohms
• F: nonflammable

• MMH : mH, UH : الر

Ref.No	. Part No.	Description			Remark	Ref.No.	Part No.	Description			Remark
	*A-1135-334-A	B BOARD, COM				C111 C112 C113	1-101-888-00 1-102-971-00 1-102-978-00	CERAMIC CERAMIC CERAMIC	68PF 82PF 220PF	5% 5% 5%	50V 50V 50V
	*4-364-755-01	TAPE, SHIELD				C115	1-123-356-00 1-123-329-51	ELECT ELECT	10MF 10MF	20% 20%	16V 25V
	CON	NECTOR				C119			7PF		
B1 B2 B3 B4 B5	*1-560-124-00 *1-560-224-00 *1-560-124-00 *1-560-128-00 *1-560-156-00	PLUG, CONNEC PLUG, CONNEC PLUG, CONNEC PLUG, CONNEC PLUG, CONNEC	TOR (2.5MM) TOR (2.5MM) TOR (2.5MM	10P 4P PITCH)		C119 C120 C121 C122 C123	1-102-944-00 1-102-944-00 1-102-944-00 1-102-944-00 1-123-380-00	CERAMIC CERAMIC CERAMIC CERAMIC ELECT	7PF 7PF 7PF 7PF 1MF	0.5PF 0.5PF 0.5PF 0.5PF 20%	50V 50V 50V 50V 50V
86 87 88	*1-560-290-00 *1-560-124-00 *1-560-124-00	PLUG, CONNEC PLUG, CONNEC PLUG, CONNEC	TOR (2.5MM TOR (2.5MM)	PITCH) 4P		C124 C127 C128 C129 C130	1-123-329-51 1-101-004-00 1-123-380-00 1-123-329-51 1-123-380-00	ELECT CERAMIC ELECT ELECT ELECT	10MF 0.01MF 1MF 10MF 1MF	20% 20% 20% 20%	25V 50V 50V 25V 50V
	CAP	ACITOR				 C131	1-106-220-00	MYLAR	0.1MF	10%	100V
C003 C004 C005 C006 C007	1-123-329-51 1-123-329-51 1-123-329-51 1-123-329-51 1-123-329-51	ELECT ELECT ELECT ELECT ELECT	10MF 10MF 10MF 10MF 10MF	20% 20% 20% 20% 20%	25V 25V 25V 25V 25V	C132 C133 C134 C135	1-106-220-00 1-123-332-00 1-102-944-00 1-101-004-00	MYLAR ELECT CERAMIC CERAMIC	0.1MF 47MF 7PF 0.01MF	10% 0.5PF	100V 16V 50V 50V
C008 C009 C010 C011	1-123-380-00 1-106-212-00 1-123-329-51 1-123-329-51	ELECT MYLAR ELECT ELECT	1MF 0.047MF 10MF 10MF	20% 10% 20% 20%	50V 100V 25V 25V	C136 C137 C138 C139 C140	1-101-880-00 1-102-959-00 1-101-004-00 1-108-579-00 1-123-381-00	CERAMIC CERAMIC CERAMIC MYLAR ELECT	47PF 22PF 0.01MF 0.01MF 2.2MF	5% 5% 5% 20%	50V 50V 50V 50V 50V
C012	1-123-329-51	ELECT	10MF	20%	25 V	İ					
C013 C014 C015 C017 C018	1-123-329-51 1-123-380-00 1-106-212-00 1-106-212-00 1-123-380-00	ELECT ELECT MYLAR MYLAR ELECT	10MF 1MF 0.047MF 0.047MF 1MF	20% 20% 10% 10% 20%	25V 50V 100V 100V 50V	C141 C142 C143 C144 C145	1-161-025-00 1-161-025-00 1-101-880-00 1-101-880-00 1-102-934-00	CERAMIC CERAMIC CERAMIC CERAMIC CERAMIC	0.1MF 0.1MF 47PF 47PF 1PF	10% 10% 5% 5% 0.25PF	25V 25V 50V 50V 50V
C019 C020 C021 C022 C023	1-123-329-51 1-123-329-51 1-123-329-51 1-123-329-51 1-123-329-51	ELECT ELECT ELECT ELECT ELECT	10MF 10MF 10MF 10MF 10MF	20% 20% 20% 20% 20%	25V 25V 25V 25V 25V	C146 C147 C149 C150 C151	1-102-963-00 1-101-004-00 1-101-004-00 1-101-004-00 1-101-004-00	CERAMIC CERAMIC CERAMIC CERAMIC CERAMIC	33PF 0.01MF 0.01MF 0.01MF 0.01MF	5%	50V 50V 50V 50V 50V
C024 C025 C026 C027 C034	1-123-329-51 1-123-329-51 1-123-332-00 1-123-329-51	ELECT ELECT ELECT ELECT MYLAR	10MF 10MF 47MF 10MF 0.001MF	20% 20% 20% 20% 10%	25V 25V 25V 25V 100V	C152 C153 C155 C156 C157	1-101-004-00 1-106-204-00 1-102-946-00 1-123-330-00 1-123-380-00	CERAMIC MYLAR CERAMIC ELECT ELECT	0.01MF 0.022MF 9PF 22MF 1MF	10% 0.5PF 20% 20%	50V 100V 50V 25V 50V
C035 C036 C100 C102 C103	1-106-172-00 1-106-172-00 1-101-361-00 1-123-332-00 1-102-961-00	MYLAR MYLAR CERAMIC ELECT	0.001MF 0.001MF 150PF 47MF 27PF	10% 10% 5% 20%	100V 100V 50V 25V	C158 C159 C160 C161 C161	1-123-382-00 1-124-049-00 1-102-115-00 1-102-971-00 1-101-361-00	ELECT ELECT CERAMIC CERAMIC CERAMIC	3.3MF 0.47MF 560PF 82PF 150PF	20% 20% 10% 5% 5%	50V 50V 50V 50V 50V
C104 C105 C106 C107 C108	1-102-973-00 1-123-356-00 1-123-329-51 1-102-978-00 1-123-356-00	CERAMIC ELECT ELECT CERAMIC	100PF 10MF 10MF 220PF 10MF	5% 20% 20% 5% 20%	50V 16V 25V 50V 16V	C163 C164 C165 C166 C167	1-102-971-00 1-121-257-00 1-101-361-00 1-101-888-00 1-101-006-21	CERAMIC ELECT CERAMIC CERAMIC CERAMIC	82PF 4.7MF 150PF 68PF 0.047MF	5% 5% 5%	50V 16V 50V 50V 50V
C109 C110	1-102-959-00 1-102-961-00	CERAMIC	22PF 27PF	5% 5%	50V 50V	C169 C170 C172	1-106-220-00 1-123-380-00 1-101-888-00	MYLAR ELECT CERAMIC	0.1MF 1MF 68PF	10% 20% 5%	100V 50V 50V



Ref.No. Part No.	Description			Remark	Ref.No.	Part No.	Description			Remark
C173 1-106-188-00 C175 1-101-361-00 C176 1-102-951-00 C177 1-102-963-00 C178 1-123-329-51	MYLAR CERAMIC CERAMIC CERAMIC ELECT	0.0047MF 150PF 15PF 33PF 10MF	10% 5% 5% 5% 20%	100V 50V 50V 50V 25V	C237 C239 C244 C245 C246	1-161-330-00 1-101-004-00 1-101-004-00 1-101-004-00 1-101-004-00	CERAMIC CERAMIC CERAMIC CERAMIC CERAMIC	0.01MF 0.01MF 0.01MF 0.01MF 0.01MF	30%	25V 50V 50V 50V 50V
C179 1-101-004-00 C180 1-123-324-00 C183 1-123-379-00 C184 1-123-379-00 C186 1-123-324-00	CERAMIC ELECT ELECT ELECT ELECT	0.01MF 1000MF 0.47MF 0.47MF 1000MF	20% 20% 20% 20%	50V 16V 50V 50V 16V	C247 C248 C250 C252 C1001	1-101-006-00 1-101-006-00 1-123-330-00 1-102-824-00 1-102-935-00	CERAMIC CERAMIC ELECT CERAMIC CERAMIC	0.047MF 0.047MF 22MF 470PF 2PF	20% 5% 0.25PF	50V 50V 25V 50V 50V
C188 1-123-329-51 C189 1-123-329-51 C190 1-123-329-51 C195 1-102-824-00 C200 1-123-607-00	ELECT ELECT ELECT CERAMIC ELECT	10MF 10MF 10MF 470PF 0.1MF	20% 20% 20% 5% 20%	25V 25V 25V 50V 50V	C1003	1-102-935-00 1-102-935-00 <u>DIO</u>	CERAMIC	2PF 2PF	0.25PF 0.25PF	
C201 1-123-607-00 C201A 1-102-816-00 C202 1-123-607-00 C202A 1-102-978-00 C203 1-121-257-00	ELECT CERAMIC ELECT CERAMIC ELECT	0.1MF 120PF 0.1MF 220PF 4.7MF	20% 5% 20% 5%	50V 50V 50V 50V 16V	D001 D002 D003 D004 D005	8-719-911-19 8-719-911-19 8-719-911-19 8-719-911-19 8-719-911-19	DIODE 155119 DIODE 155119 DIODE 155119 DIODE 155119 DIODE 155119)))		
C203A 1-102-978-00 C204 1-123-381-00 C205 1-102-525-00 C206 1-102-892-00	CERAMIC ELECT CERAMIC CERAMIC	220PF 2.2MF 68PF 22PF 120PF	5% 20% 5% 5% 5%	50V 50V 50V 50V 50V	D007 D101 D102 D103 D104	8-719-911-19 8-719-911-19 8-719-911-19 8-719-981-01 8-719-911-19	DIODE 1SS119 DIODE 1SS119 DIODE 1SS119 DIODE ERA81- DIODE 1SS119) -004		
C207 1-102-679-00 C208 1-101-880-00 C209 1-102-971-00 C210 1-102-978-00 C211 1-106-196-00	CERAMIC CERAMIC CERAMIC MYLAR	47PF 82PF 220PF 0.01MF	5% 5% 5% 10% 20%	50V 50V 50V 100V 25V	D105 D106 D107 D108 D109	8-719-911-19 8-719-911-19 8-719-911-19 8-719-911-19 8-719-911-19	DIODE 1SS119 DIODE 1SS119 DIODE 1SS119 DIODE 1SS119 DIODE 1SS119)))		
C212 1-123-329-51 C213 1-101-004-00 C214 1-108-579-00 C215 1-102-892-00 C216 1-102-824-00 C217 1-123-329-51		10MF 0.01MF 0.01MF 22PF 470PF 10MF	5% 5% 5% 20%	50V 50V 50V 50V 25V	D110 D111 D112 D113 D114	8-719-911-19 8-719-911-19 8-719-911-19 8-719-911-19 8-719-911-19	DIODE 1SS119 DIODE 1SS119 DIODE 1SS119 DIODE 1SS119 DIODE 1SS119)))		
C218 1-101-004-00 C219 1-123-332-00 C220 1-123-325-00 C221 1-106-220-00 C222 1-123-321-00	CERAMIC ELECT ELECT MYLAR	0.01MF 47ME 2200MF 0.1MF 220MF	20% 20% 10% 20%	50V 25V 16V 100V 16V	D115 D116 D117 D118 D119	8-719-911-19 8-719-911-19 8-719-911-19 8-719-911-19 8-719-911-19	DIODE 1SS119 DIODE 1SS119 DIODE 1SS119 DIODE 1SS119	9 9 9		
C224 1-123-369-00 C225 1-123-380-00 C226 1-102-121-00 C227 1-108-595-00 C228 1-123-332-00	ELECT ELECT CERAMIC MYLAR	4.7MF 1MF 0.0022MF 0.047MF 47MF	20% 20% 10% 5% 20%	25V 50V 50V 50V 25V	D120 D122 D123 D124 D125	8-719-911-19 8-719-911-19 8-719-911-19 8-719-100-37 8-719-911-19	DIODE 1SS11 DIODE 1SS11 DIODE 1SS11 DIODE RD6.2 DIODE 1SS11	9 9 E-B1		
C229 1-123-380-00 C230 1-102-121-00 C231 1-123-356-00 C232 1-123-356-00 C233 1-123-379-00	ELECT CERAMIC ELECT ELECT	1MF 0.0022MF 10MF 10MF 0.47MF	20% 10% 20% 20% 20%	50V 50V 16V 16V 50V	DL102	1-415-280-00 1-415-188-00	DELAY LINE DELAY LINE	(1H)		
C234 1-106-196-00 C235 1-123-321-00 C236 1-101-004-00	ELECT	0.01MF 220MF 0.01MF	10% 20%	100V 16V 50V	DL103 	1-415-122-31	DELAY LINE,	IH (PAL)		



Ref.No. Part No.	Description	Remark	Ref.No.	Part No.	Description		Remark	
IC001 8-759-700-06 IC101 8-752-006-10 IC102 8-752-006-10 IC103 8-759-113-65	Description IC UPC7812H IC CX20061 IC CX20061 IC UPC1365C IC TC4023BP IC UPC1364C IC UPC1364C IC UPC1241H HEAT SINK; IC202 IC CX095E RMINAL BOARD TERMINAL BOARD, INPUT/OUTPUT(A)		Q106 Q107 Q108 Q109 Q110	8-729-245-83 8-729-204-83	TRANSISTOR 25 TRANSISTOR 25	SC 2458 SC 2458 SA 1048GR		
IC104 8-759-240-24 IC105 8-759-240-23 IC201 8-759-100-15 IC202 8-759-101-77	IC TC4024BP IC UPC1364C IC UPC1241H		Q111 Q114 Q116 Q117 Q118	8-729-313-42 8-729-204-83 8-729-245-83	TRANSISTOR 2: TRANSISTOR 2: TRANSISTOR 2: TRANSISTOR 2: TRANSISTOR 2:	SD1134 SA1048GR SC2458		
IC203 8-759-610-95	IC CX095E RMINAL BOARD		Q120 Q121 Q122	8-729-245-83 8-729-204-83 8-729-245-83	TRANSISTOR 25	SA1048GR		
J2 1-536-842-11	TERMINAL BOARD, INPUT/OUTPUT(A)		Q123 Q124	8-729-245-83 8-729-115-30	TRANSISTOR 25	SC 2458		
L101 1-408-412-00 L102 1-408-412-00	IL MICRO INDUCTOR 18UH MICRO INDUCTOR 18UH		Q125 Q126 Q127 Q128	8-729-115-30 8-729-115-30 8-729-115-30	TRANSISTOR 25	SK105A-30 SK105A-30 SK105A-30		
L103 1-408-411-00 L104 1-408-414-00 L105 1-408-414-00	MICRO INDUCTOR 15UH MICRO INDUCTOR 27UH MICRO INDUCTOR 27UH		Q129 Q130 Q131	8-729-245-83 8-729-245-83 8-729-115-30	TRANSISTOR 25	SC2458 SK105A-30		
L106	MICRO INDUCTOR 100H MICRO INDUCTOR 22UH MICRO INDUCTOR 39UH MICRO INDUCTOR 18UH MICRO INDUCTOR 5 6UH		Q132 Q133 Q135 	8-729-115-30 8-729-245-83 8-729-204-83	TRANSISTOR 25	SC2458 SA1048GR		
L112 1-408-408-00 L113 1-408-226-00 L114 1-408-419-00 L115 1-408-403-00	MICRO INDUCTOR 8.2UH MICRO INDUCTOR 82UH MICRO INDUCTOR 68UH MICRO INDUCTOR 3.3UH		Q137 Q138 Q139 Q140	8-729-204-83 8-729-204-83	TRANSISTOR 25 TRANSISTOR 25 TRANSISTOR 25	SA1048GR SA1048GR SC2458		
L201 1-408-247-00 L202 1-408-163-00 L203 1-408-414-00	MICRO INDUCTOR 33MMH MICRO INDUCTOR 5.6MMH MICRO INDUCTOR 27UH		Q141 Q142 Q143 Q144 Q145	8-729-204-83 8-729-204-83 8-729-204-83 8-729-245-83 8-729-245-83	TRANSISTOR 25 TRANSISTOR 25 TRANSISTOR 25	SA1048GR SA1048GR SC2458		
TR	ANSISTOR		0148	8-729-245-83				
Q001 8-729-245-83 Q002 8-729-204-83 Q003 8-729-204-83 Q004 8-729-204-83 Q005 8-729-245-83	TRANSISTOR 2SC2458 TRANSISTOR 2SA1048GR TRANSISTOR 2SA1048GR TRANSISTOR 2SA1048GR TRANSISTOR 2SC2458		Q149 Q150 Q151 Q152	8-729-204-83 8-729-204-83 8-729-245-83 8-729-245-83	TRANSISTOR 25 TRANSISTOR 25 TRANSISTOR 25	SA1048GR SA1048GR SC2458		
Q006 8-729-204-83 Q007 8-729-204-83 Q008 8-729-245-83 Q009 8-729-204-83	TERMINAL BOARD, INPUT/OUTPUT(A) IL MICRO INDUCTOR 18UH MICRO INDUCTOR 15UH MICRO INDUCTOR 27UH MICRO INDUCTOR 27UH MICRO INDUCTOR 27UH MICRO INDUCTOR 27UH MICRO INDUCTOR 39UH MICRO INDUCTOR 39UH MICRO INDUCTOR 5.6UH MICRO INDUCTOR 5.6UH MICRO INDUCTOR 3.3UH MICRO INDUCTOR 82UH MICRO INDUCTOR 82UH MICRO INDUCTOR 83.3UH MICRO INDUCTOR 3.3UH MICRO INDUCTOR 3.3UH MICRO INDUCTOR 3.3UH MICRO INDUCTOR 27UH ANSISTOR TRANSISTOR 25C2458 TRANSISTOR 25A1048GR TRANSISTOR 25A1048GR TRANSISTOR 25A1048GR TRANSISTOR 25A1048GR TRANSISTOR 25A1048GR TRANSISTOR 25A1048GR TRANSISTOR 25C2458		Q153 Q154 Q155 Q155 Q159		TRANSISTOR 25 TRANSISTOR 25 TRANSISTOR 25	SC2458 SC2458		
					ISTOR	• =		
Q011 8-729-245-83 Q012 8-729-204-83 Q101 8-729-245-83 Q102 8-729-245-83 Q103 8-729-245-83	TRANSISTOR 2SA1048GR TRANSISTOR 2SC2458 TRANSISTOR 2SC2458		R002 R003 R004 R005 R006	1-247-713-11 1-249-434-11 1-247-845-00 1-249-421-11 1-247-875-00	CARBON CARBON CARBON CARBON CARBON	1K 5% 27K 5% 3.9K 5% 2.2K 5% 68K 5%	1/4W 1/6W 1/6W 1/6W 1/6W	
Q104 8-729-245-83 Q105 8-729-245-83			R007 R009	1-247-863-00 1-247-850-00	CARBON CARBON	22K 5% 6.2K 5%	1/6W 1/6W	



Ref.No.	Part No.	Description				Remark	Ref.No.	Part No.	Description				Remark
R010 R011 R012 R013 R014	1-247-850-00 1-247-850-00 1-249-437-11 1-247-877-00 1-247-885-00	CARBON CARBON CARBON CARBON CARBON	6.2K 6.2K 47K 82K 180K	5% 5% 5% 5% 5%	1/6W 1/6W 1/6W 1/6W 1/6W		 R106 R107 R108 R109 R110	1-247-843-00 1-247-849-00 1-249-429-11 1-247-823-00 1-247-823-00	CARBON CARBON CARBON CARBON CARBON	3.3K 5.6K 10K 470 470	5% 5% 5% 5% 5%	1/6W 1/6W 1/6W 1/6W 1/6W	
R015 R016 R017 R019 R020	1-247-873-00 1-247-831-00 1-247-104-00 1-247-104-00 1-249-434-11	CARBON CARBON CARBON CARBON CARBON	56K 1K ⁻ 75 75 27K	5% 5% 5% 5% 5%	1/6W 1/6W 1/4W 1/4W 1/6W		R111 R112 R113 R114 R115	1-249-421-11 1-247-827-00 1-247-817-00 1-247-827-00 1-249-419-11	CARBON CARBON CARBON CARBON CARBON	2.2K 680 270 680 1.5K	5% 5% 5% 5% 5%	1/6W 1/6W 1/6W 1/6W 1/6W	
R021 R022 R023 R024 R025	1-247-845-00 1-247-863-00 1-247-875-00 1-247-850-00 1-249-437-11	CARBON CARBON CARBON CARBON CARBON	3.9K 22K 68K 6.2K 47K	5% 5% 5% 5%	1/6W 1/6W 1/6W 1/6W 1/6W		R116 R117 R118 R119 R120	1-247-803-00 1-247-827-00 1-247-827-00 1-247-807-00 1-247-827-00	CARBON CARBON CARBON CARBON CARBON	68 680 680 100 680	5% 5% 5% 5% 5%	1/6W 1/6W 1/6W 1/6W 1/6W	
R026 R027 R028 R029 R030	1-247-173-00 1-247-877-00 1-247-885-00 1-249-429-11 1-247-885-00	CARBON CARBON CARBON CARBON CARBON	56K 82K 180K 10K 180K	5% 5% 5% 5%	1/4W 1/6W 1/6W 1/6W 1/6W		R121 R122 R123 R124 R125	1-247-827-00 1-247-807-00 1-247-831-00 1-247-823-00 1-247-831-00	CARBON CARBON CARBON CARBON CARBON	680 100 1K 470 1K	5% 5% 5% 5% 5%	1/6W 1/6W 1/6W 1/6W 1/6W	
R031 R032 R033 R034 R035	1-247-877-00 1-249-437-11 1-247-863-00 1-247-875-00 1-247-831-00	CARBON CARBON CARBON CARBON CARBON	82K 47K 22K 68K 1K	5% 5% 5% 5% 5%	1/6W 1/6W 1/6W 1/6W 1/6W		R126 R127 R128 R129 R130	1-247-807-00 1-247-827-00 1-247-814-00 1-249-419-11 1-247-827-00	CARBON CARBON CARBON CARBON CARBON	100 680 200 1.5K 680	5% 5% 5% 5% 5%	1/6W 1/6W 1/6W 1/6W 1/6W	
R036 R037 R038 R039 R040	1-247-104-00 1-249-434-11 1-247-845-00 1-247-850-00 1-247-875-00	CARBON CARBON CARBON CARBON CARBON	75 27K 3.9K 6.2K 68K	5% 5% 5% 5% 5%	1/4W 1/6W 1/6W 1/6W 1/6W		R131 R132 R133 R135 R136	1-247-823-00 1-247-837-00 1-247-799-00 1-247-816-00 1-249-421-11	CARBON CARBON CARBON CARBON CARBON	470 1.8K 47 240 2.2K	5% 5% 5% 5% 5%	1/6W 1/6W 1/6W 1/6W 1/6W	
R041 R042 R043 R045 R046	1-247-104-00 1-249-434-11 1-247-878-00 1-249-429-11 1-247-853-00	CARBON CARBON CARBON CARBON CARBON	75 27K 91K 10K 8.2K	5% 5% 5% 5% 5%	1/4W 1/6W 1/6W 1/6W 1/6W		R137 R138 R140 R141 R143	1-247-861-00 1-247-843-00 1-247-863-00 1-247-863-00 1-247-807-00	CARBON CARBON CARBON CARBON CARBON	18K 3.3K 22K 22K 100	5% 5% 5% 5% 5%	1/6W 1/6W 1/6W 1/6W 1/6W	
R049 R051 R052 R053 R054	1-247-873-00 1-249-421-11 1-247-807-00 1-249-437-11 1-249-437-11	CARBON CARBON CARBON CARBON CARBON	56K 2.2K 100 47K 47K	5% 5% 5% 5% 5%	1/6W 1/6W 1/6W 1/6W 1/6W		R146 R147 R148 R149 R150	1-247-803-00 1-249-419-11 1-249-419-11 1-247-863-00 1-247-829-00		68 1.5K 1.5K 22K 820	5% 5% 5% 5% 5%	1/6W 1/6W 1/6W 1/6W 1/6W	
R055 R056 R061 R062 R063	1-247-877-00 1-247-150-00 1-247-226-00 1-247-133-00 1-247-791-00	CARBON	82K 6.2K 270 1.2K 22	5% 5%	1/6W 1/4W 1/2W 1/4W 1/6W		R151 R152 R153 R154 R155	1-247-823-00 1-247-829-00 1-247-843-00 1-247-863-00 1-249-429-11	CARBON CARBON CARBON	470 820 3.3K 22K 10K	5% 5% 5% 5% 5%	1/6W 1/6W 1/6W 1/6W 1/6W	
R066 R068 R100 R101 R102	1-249-429-11 1-247-803-00 1-247-853-00 1-247-869-00 1-247-815-00	CARBON CARBON CARBON	10K 68 8.2K 39K 220	5% 5% 5% 5% 5%	1/6W 1/6W 1/6W 1/6W 1/6W		R156 R157 R158 R159 R160	1-247-867-00 1-247-867-00 1-247-875-00 1-247-827-00 1-247-869-00	CARBON CARBON CARBON	33K 33K 68K 680 39K	5% 5% 5% 5% 5%	1/6W 1/6W 1/6W 1/6W 1/6W	
R103 R104 R105	1-247-833-00 1-247-819-00 1-247-827-00	CARBON	1.2K 330 680	5% 5% 5%	1/6W 1/6W 1/6W		R161 R162 R165	1-249-429-11 1-249-437-11 1-247-903-00	CARBON	10K 47K 1M	5% 5% 5%	1/6W 1/6W 1/6W	

PVM-1371QM



Ref.No.	Part No.	Description				Remark	lRef.No.	Part No.	Description				Remark
			1 54	F~	1./61/	<u></u>	i — —			- 4.,	c.,	1 (0)	Kemark
R167	1-249-419-11	CARBON	1.5K		1/6W		R223	1-247-849-00	CARBON	5.6K	5%	1/6W	
R168 R170	1-247-867-00 1-247-859-00	CARBON CARBON	33K 15K	5% 5%	1/6W 1/6W		R224 R225	1-247-891-00 1-247-879-00	CARBON CARBON	330K 100K	5% 5%	1/6W	
R171	1-247-879-00	CARBON	100K	5%	1/6W		R226	1-247-878-00	CARBON	91K	5%	1/6W 1/6W	
R173	1-247-847-00	CARBON	4.7K	5%	1/6W		R228	1-249-419-11	CARBON	1.5K	5%	1/6W	
KI/J	1-247-047-00	CARDON	7.71	J 76	1/01		11220	1-243-413-11	CARDON	1.51	J /6	1/0#	
R176	1-247-887-00	CARBON	220K	5%	1/6W		R230	1-247-847-00	CARBON	4.7K	5%	1/6W	
R177	1-247-879-00	CARBON	100K	5%	1/6W		R231	1-247-873-00	CARBON	56K	5%	1/6W	
R178	1-247-883-00	CARBON	150K	5%	1/6W		R232	1-247-821-00	CARBON	390	5%	1/6W	
R179	1-247-875-00	CARBON	68K	5%	1/6W		R233	1-247-815-00	CARBON	220	5%	1/6W	
R180	1-247-831-00	CARBON	1K	5 %	1/6W		R234	1-247-815-00	CARBON	220	5%	1/6W	
0.1.01	1 240 420 11	CARRON	104	E o/	1.760		1 0225	1 247 022 00	CADDON	470	Εø	1./60	
R181 R182	1-249-429-11 1-249-437-11	CARBON CARBON	10K 47K	5% 5%	1/6W 1/6W		R235 R236	1-247-823-00 1-247-807-00	CARBON CARBON	470 100	5% 5%	1/6W 1/6W	
R183	1-247-843-00	CARBON	3.3K	5%	1/6W		R237	1-247-807-00	CARBON	220	5%	1/6W	
R184	1-247-833-00	CARBON	1.2K	5%	1/6W		R238	1-247-867-00	CARBON	33K	5%	1/6W	
R185	1-247-877-00	CARBON	82K	5%	1/6W		R239	1-247-877-00	CARBON	82K	5%	1/6W	
		•			-,				•			-,	
R186	1-247-823-00	CARBON	470	5%	1/6W		R240	1-247-841-00	CARBON	2.7K	5 %	1/6W	
R187	1-249-434-11	CARBON	27K	5%	1/6W		R241	1-247-863-00	CARBON	22K	5%	1/6W	
R188	1-247-867-00	CARBON	33K	5%	1/6W		R242	1-247-854-00	CARBON	9.1K	5%	1/6W	
R189	1-247-875-00	CARBON	68K	5%	1/6W		R243	1-247-857-00	CARBON	12K	5% 5~	1/6W	
R190	1-247-867-00	CARBON	33K	5%	1/6W		R244	1-247-843-00	CARBON	3.3K	5%	1/6W	
R191	1-249-437-11	CARBON	47K	5%	1/6W		R245	1-247-849-00	CARBON	5.6K	5%	1/6W	
R192	1-249-421-11	CARBON	2.2K	5%	1/6W		R246	1-249-429-11	CARBON	10K	5%	1/6W	
R193	1-247-845-00	CARBON	3.9K	5%	1/6W		R247	1-247-859-00	CARBON	15K	5%	1/6W	
R194	1-247-859-00	CARBON	15K	5%	1/6W		R248	1-249-421-11	CARBON	2.2K	5%	1/6W	
R195	1-249-421-11	CARBON	2.2K	5%	1/6W		R249	1-249-437-11	CARBON	47K	5 %	1/6W	
0106		040004	0.714	- m	1 (5)		2050	1 047 005 00		1.004	Fa/	1 (6)(
R196	1-249-434-11	CARBON	27K	5%	1/6W		R250	1-247-885-00	CARBON	180K	5%	1/6W	
R197 R198	1-247-827-00 1-247-827-00	CARBON CARBON	680 680	5% 5%	1/6W 1/6W		R251 R252	1-247-849-00 1-247-853-00	CARBON CARBON	5.6K 8.2K	5% 5%	1/6W 1/6W	
R199	1-247-827-00	CARBON	1K	5%	1/6W		R253	1-247-843-00	CARBON	3.3K	5%	1/6W	
R 200	1-247-863-00	CARBON	22K	5%	1/6W		R254	1-249-429-11	CARBON	10K	5%	1/6W	
					-,				G			_,	
R201	1-247-903-00	CARBON	1M	5%	1/6W		R255	1-247-831-00	CARBON	1K	5%	1/6W	
R201A	1-247-704-11	CARBON	220	5%	1/4W		R256	1-247-853-00	CARBON	8.2K	5%	1/6W	
R 202	1-247-903-00	CARBON	1M	5%	1/6W		R258	1-249-421-11	CARBON	2.2K	5%	1/6W	
R 203	1-249-429-11	CARBON	10K	5%	1/6W		R259	1-247-853-00	CARBON	8.2K	5% 5~	1/6W	
R 204	1-249-429-11	CARBON	10K	5%	1/6W		R260	1-247-875-00	CARBON	68K	5%	1/6W	
R 205	1-249-429-11	CARBON	10K	5%	1/6W		R261	1-249-429-11	CARBON	10K	5%	1/6W	
R 206	1-247-875-00	CARBON	68K	5%	1/6W		R262	1-247-879-00	CARBON	100K	5%	1/6W	
R 207	1-247-815-00	CARBON	220	5%	1/6W		R263	1-249-429-11	CARBON	10K	5%	1/6W	
R 208	1-249-429-11	CARBON	10K	5%	1/6W		R264	1-247-875-00	CARBON	68K	5%	1/6W	
R 209	1-247-867-00	CARBON	33K	5 %	1/6W		R265	1-249-429-11	CARBON	10K	5%	1/6W	
0210	1-247-815-00	CARRON	220	E 6 /	1/6W		 nace	1 240 420 11	CADDON	104	Ee/	1 /6U	
R210 R211	1-247-815-00	CARBON CARBON	220	5% 5%	1/6W		R266 R267	1-249-429-11 1-247-875-00	CARBON CARBON	10K 68K	5% 5%	1/6W 1/6W	
R211	1-247-845-00	CARBON	3.9K	5%	1/6W		R268	1-247-875-00	CARBON	68K	5%	1/6W	
R213	1-247-815-00	CARBON	220	5%	1/6W		R269	1-249-429-11	CARBON	10K	5%	1/6W	
R214		CARBON	220	5%	1/6W			1-247-827-00		680	5%	1/6W	
R215	1-247-847-00	CARBON	4.7K		1/6W		R271	1-247-179-00	CARBON	100K	5%	1/4W	
R216	1-247-879-00	CARBON	100K	5 %	1/6W		R272	1-246-517-25	CARBON	68K	5%	1/4W	
R217	1-247-879-00	CARBON	100K	5%	1/6W		R273	1-202-463-00	SOLID	2.2M	5%	1/4W	
R218	1-249-429-11	CARBON	10K	5% 5%	1/6W		R274	1-247-171-00 1-249-429-11	CARBON	47K	5% 5°	1/4W	
R219	1-247-849-00	CARBON	5.6K	J /6	1/6W		R275	1-543-453-11	CARBON	10K	5%	1/6W	
R220	1-247-867-00	CARBON	33K	5%	1/6W		R276	1-247-859-00	CARBON	15K	5%	1/6W	
R221	1-247-868-00	CARBON	36K	5%	1/6W		R277	1-247-829-00	CARBON	820	5%	1/6W	
R222	1-247-875-00	CARBON	68K	5%	1/6W		R278	1-249-421-11	CARBON	2.2K	5%	1/6W	





Ref.No.	Part No.	Description				Remark	Ref.No.	Part No.	Description			Remark
R279 R280 R281 R282 R283	1-247-167-00 1-249-437-11 1-247-859-00 1-247-839-00 1-247-847-00	CARBON CARBON CARBON CARBON CARBON	33K 47K 15K 2.2K 4.7K	5% 5% 5% 5% 5%	1/4W 1/6W 1/6W 1/8W 1/6W	F	RV106 RV107 RV108	1-226-852-00 1-226-849-00 1-228-724-00 1-226-850-00 1-226-850-00	RES, ADJ, CARI	30N 3.3K 30N 10K 30N 4.7K		
R284 R285 R286 R287 R288	1-247-853-00 1-247-843-00 1-247-843-00 1-247-903-00 1-247-879-00	CARBON CARBON CARBON CARBON CARBON	8.2K 3.3K 3.3K 1M 100K	5% 5% 5% 5%	1/6W 1/6W 1/6W 1/6W 1/6W		RV110 RV111	1-226-846-00 1-226-853-00 SWI	RES, ADJ, CAR RES, ADJ, CAR TCH	BON 470 BON 47K		
R290 R291 R292 R293	1-249-429-11 1-249-429-11 1-249-447-11 1-247-841-00	CARBON CARBON CARBON CARBON	10K 10K 1 2.7K 100	5% 5% 5% 5% 5%	1/6W 1/6W 1/4W 1/6W 1/6W		S1 S2 S3 	1-553-725-00 1-553-725-00 1-553-725-00	SWITCH, SLIDE			
R294 R295 R296 R297 R298	1-247-807-00 1-249-429-11 1-247-179-00 1-249-437-11 1-249-437-11	CARBON CARBON CARBON CARBON CARBON	10K 100K 47K 47K	5% 5% 5% 5%	1/6W 1/4W 1/6W 1/6W		T101 T102 T103 T104 T201	1-408-513-00 1-409-193-00 1-409-193-00 1-404-081-00 1-404-146-00	COIL 3.58MHZ	TRAP TRAP	ा	
R299 R301 R302 R303 R304	1-247-823-00 1-247-658-00 1-249-437-11 1-247-827-00 1-247-827-00	CARBON CARBON CARBON CARBON CARBON	470 47 47K 680 680	5% 5% 5% 5%	1/6W 1/4W 1/6W 1/6W 1/6W	F	T202 T203 T204	1-408-532-00 1-408-532-00 1-408-513-00	COIL, VARIABL	Ε		
R 305 R 306 R 307 R 308 R 309	1-247-827-00 1-247-883-00 1-247-819-00 1-249-434-11 1-247-815-00	CARBON CARBON CARBON CARBON CARBON	680 150K 330 27K 220	5% 5% 5% 5%	1/6W 1/6W 1/6W 1/6W			1-800-626-00 CRY	THERMISTOR TH THERMISTOR 'STAL CRYSTAL, OSC	-4700		
R310 R311 R312 R313 R314	1-247-843-00 1-247-872-00 1-249-421-11 1-247-847-00 1-247-867-00	CARBON CARBON CARBON CARBON	3.3K 51K 2.2K 4.7K 33K	5% 5% 5% 5%	1/6W 1/6W 1/6W 1/6W 1/6W		i	1-527-345-00	CRYSTAL, OSC	LETE	****	*****
R315 R316 R317 R318 R319 R322	1-249-419-11 1-249-419-11 1-247-127-00 1-247-813-00 1-247-823-00 1-247-851-00	CARBON CARBON CARBON	1.5K 1.5K 680 180 470 6.8K	5% 5% 5% 5%	1/6W 1/4W 1/6W 1/6W 1/6W		C601 <u>A</u>	1-130-712-11 *4-316-137-00 \.1-130-711-11	COVER. CAPACI FILM	0.22MF	20% 20%	250V 250V
R324 R325 R326 R328 R329	1-247-127-00 1-249-429-11 1-247-845-00 1-247-837-00 1-247-845-00	CARBON CARBON CARBON CARBON	680 10K 3.9K 1.8K 3.9K	5% 5% 5% 5%	1/4W 1/6W 1/6W 1/6W 1/6W		C603 A	\.1-108-777-62 \.1-161-973-12 \.1-161-973-12 \.1-162-578-12 \.1-162-578-12	CERAMIC CERAMIC CERAMIC CERAMIC		20 % 20 %	300V 400V 400V 400V 400V 400V
R332 R348 R349	1-247-873-00 1-247-857-00 1-249-429-11	CARBON CARBON	56K 12K 10K	5% 5% 5%	1/6W 1/6W 1/6W		C608 A	1-161-738-12 1-161-738-12 1-161-738-12 1-161-738-12 4-875-455-21	CERAMIC CERAMIC CERAMIC COVER (DIA.	20), CAPACII	20% 20% 20% 20% TOR; C61	400V 400V 400V LO
RV103	1-226-845-00 1-226-849-00 1-226-852-00	RES, ADJ, CA	 ARBON 3 ARBON 3	.3K			C611 C612 C613	1-125-287-00 1-123-335-00 1-136-065-00	ELECT	430MF 330MF 0.0027MF	20% 3%	400V 25V 2KV

The components identified by shading and mark <u>A</u> are critical for safety. Replace only with part number specified.

Ref.No. Part No.	Description		Remark	Ref.No.	Part No.	Description			Remark
C614 l-123-337-00 C615 l-123-356-00 C616 l-123-381-00 C617 l-102-125-00 C619 l-106-180-00	ELECT 10MF ELECT 2.2MF CERAMIC 0.0047MF	20% 20% 20% 10% 10%	25V 16V 50V 50V 100V	 F1 F2 F3	*1-506-349-21 *1-506-349-21 *1-508-765-00	3P PLUG (L) 3P PLUG (M)			
C621	CERAMIC 0.047MF CERAMIC 330PF ELECT 2.2MF	20% 5% 20% 20%	16V 50V 50V 50V 50V	F4 F6 F7 F8	*1-560-290-00 *1-508-766-00 *1-560-124-00 *1-560-123-00	4P PLUG (M) PLUG, CONNECT	OR (2.5MM PI	TCH)	
C626 1-102-095-00 C627 1-123-024-00 C628 1-123-024-00 C629 1-123-360-00 C630 1-123-998-00	ELECT 33MF ELECT 33MF ELECT 100MF	20% 20% 20%	1KV 160V 160V 50V 25V	 F601 <u>^</u> 	FUS 3.1-532-299-11 1-533-087-00 IC	_			
	ELECT 470MF CERAMIC 0.0033MF	20% 20% 10% 10% PE: C640		 IC601 L601	8-759-100-75 <u>COI</u> 1-408-225-00		DR 3.3UH		
C643 l-123-333-00 C644 l-123-334-00 C645 l-123-334-00 C646 l-123-359-00 C647 l-123-024-00	ELECT 100MF ELECT 220MF ELECT 220MF ELECT 47MF	20% 20% 20% 20%	16V 25V 25V 50V 160V	L602 L603 L609 L610 	1-407-365-00	COIL, CHOKE (MICRO INDUCTO COIL (WITH CO COIL (WITH CO	HIGH FREQUEN OR 3.3UH ORE) 45UH ORE) 45UH	ICY)	
C648 A.1-161-742-12 C649 A.1-161-742-12 C650 A.1-130-712-11	CERAMIC 0.0022MF CERAMIC 0.0022MF FILM 0.47MF	20% 20% 20%	400V 400V 250V	L613 	1-407-687-00 TRA	MICRO INDUCTO	R 3.3UH		
C656 1-101-004-00 C657 1-101-004-00 C658 1-108-429-00 C659 1-102-820-00	CERAMIC 0.01MF MYLAR 0.047MF CERAMIC 330PF	10% 5%	50V 50V 200V 50V	Q601 Q602 Q603 Q604	8-729-313-82 *4-347-706-00	TRANSISTOR 25	D1138); Q602 B734		
C660 1-101-004-00 C667 ★ 1-162-578-12 C668 ★ 1-162-578-12	CERAMIC 0.0047MF	20% · · · · · · · · · · · · · · · · · · ·	50V 400V 400V	Q605 Q606	4-363-414-00 *4-367-204-00		Q605 DUT), TRANSFO	IRMER; (Q605
	DIODE S3WB60Z			 	RES	ISTOR			
D603 8-719-911-55 D604 8-719-924-06 D605 8-719-924-06	DIODE ERC24-06S DIODE ERC24-06S				.1-202-846-11 .1-247-289-11 1-244-929-00 1-206-680-00	CARBON CARBON METAL OXIDE	470K 10% 8.2M 5% 220K 5% 4.7K 5%	1/2W 1W 1/2W 2W	F
D607 8-719-300-76				R608	1-247-242-00 1-206-479-00 1-247-805-31 1-217-193-00 1-206-729-00	CARBON METAL OXIDE CARBON WIREWOUND METAL OXIDE	1.2K 5% 47 5% 82 5% 0.27 10% 1.5K 5%	1/2W 2W 1/6W 2W 3W	F F
D611 8-719-901-83 D612 8-719-900-26 D613 8-719-901-93 D614 8-719-901-93 D615 8-719-981-00	DIODE ERD29-08J DIODE V19E DIODE V19E			R609B	1-206-731-00 1-206-731-00 1-206-731-00 1-213-145-00 1-247-870-00	METAL OXIDE METAL OXIDE METAL OXIDE METAL OXIDE METAL OXIDE CARBON	1.8K 5% 1.5K 5% 1.8K 5% 1.5K 5% 43K 5%	3W 3W 1W 1/6W	F F F
D616 8-719-981-00	DIODE ERC81-004			R613	1-247-819-00	CARBON	330 5%	1/6W	

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Ref.No.	Part No.	Description				Remark	Ref.No	. Part No.	Description			Remark
R614 R615 R616	1-215-437-00 1-215-437-00 1-247-843-00	METAL METAL CARBON	4.7K 4.7K 3.3K	1%	1/6W 1/6W 1/6W		 	*1-613-847-11	F2 BOARD			
R618 R619	1-247-881-00	CARBON CARBON	120K 470K	5%	1/6W 1/6W			*1-564-315-00	PIN ASSY, BO	ARD TO BOARD	7P	
								CAP	ACITOR			
R620 R621	1-249-434-11	CARBON CARBON	27K 10K	5% 5%	1/6W 1/6W		C655	1-123-381-00	ELECT	2.2MF	20%	50 V
R 622 R 624 R 625	1-215-440-00 1-215-456-00 1-249-429-11	METAL METAL CARBON	6.2K 30K 10K	1% 1% 5%	1/6W 1/6W 1/6W			<u>D10</u>	_	1071		
R626 R627	1-247-807-00 1-249-437-11	CARBON CARBON	100 47K	5% 5%	1/6W 1/6W		D617 D620 	8-729-101-31 8-719-102-90	DIODE RD10E-			
R628 R629	1-247-831-00 1-247-829-00	CARBON CARBON	1K 820	5% 5%	1/6W 1/6W		į į	TRA	NSISTOR			
R630	1-247-815-00	CARBON	220	5%	1/6W		Q609	8-729-245-83	TRANSISTOR 2	SC 2458		
R631 R632	1-213-163-00 1-247-807-00	METAL OXIDE CARBON	47K 100	5% 5%	1W 1/8W	F F	İ	RES	ISTOR			
% R 640 % R 640	1-215-456-00 1-215-457-00	METAL METAL	30K 33K	1% 1%	1/6W 1/6W		R655	1-214-597-00 1-247-725-11	METAL OXIDE CARBON	100K 5% 10K 5%	2W 1/4W	F
※ R 64 0	1-215-458-00	METAL	36K	1%	1/6W		R657	1-247-807-00 1-247-883-00	CAR BON CAR BON	100 5% 150K 5%	1/6W 1/6W	
%R640 %R640	1-215-459-00 1-215-460-00	METAL METAL	39K 43K	1% 1%	1/6W 1/6W		i	*****	****	*****	*****	****
%R640 %R640	1-215-461-00 1-215-462-00	METAL METAL	47K 51K	1% 1%	1/6W 1/6W		İ	*A-1275-057-A	Q BOARD, COM	PLETE		
%R640	1-215-463-00	METAL	56K	1%	1/6W		İ	,, ==,,	******			
R 64 3 R 64 4 R 64 5	1-212-352-00 1-217-418-00 1-212-356-11	METAL OXIDE FUSIBLE METAL OXIDE	0.22 0.47 0.47	5% 10% 5%	1W 1/2W 1W	F F	 	1-536-843-11 *4-603-275-00	TERMINAL BOALLOCK, SCREW	RD, INPUT/OU	TPUT(B)	
R646 R647	1-212-356-11 1-212-356-11 1-212-352-00	METAL OXIDE METAL OXIDE	0.47	5%	1W 1W	F		CAP	ACITOR			
R648	1-202-841-00	SOLID	180K	<i>5 N</i>	1/2W	•	C401 C402	1-106-172-00 1-123-329-51	MYLAR ELECT	0.001MF 10MF	10% 20%	100V 25V
R649	1-202-433-35 1-247-831-00	SOL ID CARBON	120K 1K	10% 5%	1/4W 1/6W		C403	1-102-949-00 1-123-380-00		12PF 1MF	5% 20%	50V 50V
R650 R660	1-247-692-11	CARBON	22 220	5% 5%	1/4W 1/6W	F	C407	1-123-329-51	ELECT	10MF	20%	25V
R670 R671	1-247-815-00 1-247-831-00	CARBON	220 1K	5% 5%	1/6W		C408	1-102-949-00 1-123-380-00	CERAMIC ELECT	12PF 1MF	5% 20%	50V 50V
K0/1				J #6	1/ OW		C412	1-123-380-00 1-123-329-51 1-102-949-00	ELECT CERAMIC	10MF 12PF	20% 5%	25 V 50 V
DV 601		RIABLE RESISTOR RES, ADJ, MET	_	7E 1V			C415	1-123-380-00	ELECT	1MF	20%	50 v
RV601		•	IAL GLA	NZE IN			C417	1-123-332-00		47MF 0.047MF	20% 10%	25V 100V
		NSFORMER					C419 C420	1-106-212-00 1-123-380-00	ELECT	1MF	20%	50V 100V
T602 A	1-421-352-11	TRANSFORMER,	FFRRIT				C422 C423	1-106-212-00 1-123-380-00	MYLAR ELECT	0.047MF 1MF	10% 20%	50 V
⊺603 <u>A</u> ⊺604 <u>A</u>	.1-421-691-11 .1-421-678-11	SRT TRANSFORMER,	PULS	d.			C424	1-123-323-00		470MF	20%	16V
	THE	RMISTOR					C426 C428	1-123-234-00	ELECT	10MF 10MF	20% 20%	50V 50V
		THERMISTOR,					C430 C432	1-123-234-00 1-123-332-00		10MF 47MF	20% 20%	50V 25V
		THERMISTOR THERMISTOR (F		(E)			C433	1-123-329-51		10MF	20%	25V
							C434 C435	1-102-820-00 1-123-332-00	ELECT	330PF 47MF	5% 20%	50V 25V
							C436	1-101-006-21	CERAMIC	0.047MF		50V

* : selected to yield optimum performance.

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Ref.No	. Part No.	Description			Remark	Ref.No.	Part No.	Description	Remark
C437 C438 C441 C443 C444	1-123-234-00 1-123-369-00 1-101-006-21 1-106-212-00 1-106-196-00	ELECT ELECT CERAMIC MYLAR MYLAR	10MF 4.7MF 0.047MF 0.047MF 0.01MF	20% 20% 10% 10%	50V 25V 50V 100V 100V	D416 D418 D419 D420 D422	8-719-911-19 8-719-100-37 8-719-100-37 8-719-911-19 8-719-100-37		
C446 C447 C448 C452 C453	1-123-379-00 1-123-379-00 1-123-379-00 1-123-382-00 1-123-228-00	ELECT ELECT ELECT ELECT ELECT	0.47MF 0.47MF 0.47MF 3.3MF 1MF	20% 20% 20% 20% 20%	50V 50V 50V 50V 50V	D423 D424 D425 D426 D427	8-719-100-22 8-719-911-19 8-719-100-37 8-719-100-37 8-719-100-37	DIODE RD4.3E-B1 DIODE 1SS119 DIODE RD6.2E-B1 DIODE RD6.2E-B1 DIODE RD6.2E-B1	
C455 C457 C459 C461 C463	1-101-006-21 1-102-820-00 1-102-820-00 1-102-820-00 1-123-329-51	CERAMIC CERAMIC CERAMIC CERAMIC ELECT	0.047MF 330PF 330PF 330PF 10MF	5% 5% 5% 20%	50V 50V 50V 50V 25V	D428 D435 D436 D437	8-719-100-37 8-719-911-19 8-719-911-19 8-719-911-19		
C464	1-123-332-00	ELECT	47MF	20%	25 V	-	FUS	<u>E</u>	
C466 C467 C468 C469	1-123-332-00 1-101-006-21 1-101-006-21 1-106-196-00	ELECT	47MF 0.047MF 0.047MF 0.01MF	20%	25V 50V 50V 100V	i _	1-533-087-00 .1-532-279-11	FUSE, TIME-LAG 1A/125V HOLDER, FUSE; F402 FUSE, TIME-LAG 0.5A/125V HOLDER, FUSE; F404	
C489	1-123-332-00	ELECT	47MF	20%	25V	<u> </u>	<u>IC</u>		
C490 C491 C492 C493	1-123-332-00 1-123-332-00 1-123-332-00 1-101-361-00	ELECT ELECT ELECT CERAMIC	47MF 47MF 47MF 150PF	20% 20% 20% 5%	25V 25V 25V 50V	IC 402 IC 403	8-752-201-90 8-759-900-09 8-759-901-36 8-759-900-08	IC SN74LS09N IC SN74LS136N	
C494 C495	1-106-196-00 1-101-006-21	MYLAR CERAMIC	0.01MF 0.047MF	10%	100V 50V		8-759-900-08		
C497	1-123-329-51	ELECT	10MF	20%	25V		8-759-900-04 8-759-900-00		
		NECTOR				IC408 IC409	8-759-900-20 8-759-901-38	IC SN74LS2ON IC SN74LS138N	
CN 407 Q1	1-562-243-00 *1-560-124-00	CONNECTOR 25 PLUG, CONNEC		4P		REG401 	8-759-171-05	IC UPC7805H	
Q2 Q3	*1-560-124-00 *1-560-224-00	PLUG, CONNEC	TOR (2.5MM) TOR (2.5MM)	4P 10P		REG402	8-759-700-06		
Q4	*1-560-125-00	·	CTOR (2.5MM)				<u>C01</u>	-	
Q5 Q7	*1-560-126-00 *1-560-128-00	PLUG, CONNEC	CTOR (2.5MM) CTOR (2.5MM F			L401 L402 L403	1-408-408-00 1-408-408-00	MICRO INDUCTOR 8.2UH MICRO INDUCTOR 8.2UH MICRO INDUCTOR 8.2UH	
	DIC					L407 		MICRO INDUCTOR 5.6MMH	
D401 D402	8-719-911-19 8-719-911-19	DIODE 1SS119					TRA	NSISTOR	
D403 D404	8-719-911-19 8-719-100-37	DIODE 1SS11: DIODE RD6.2	9			Q401 Q402	8-729-204-83 8-729-245-83	TRANSISTOR 2SA1048GR TRANSISTOR 2SC2458	
D405	8-719-100-37					Q403 Q404	8-729-204-83 8-729-245-83	TRANSISTOR 2SA1048GR TRANSISTOR 2SC2458	
D406 D407	8-719-100-37 8-719-100-37	DIODE RD6.2				Q404 Q405	8-729-204-83	TRANSISTOR 2SA1048GR	
D408	8-719-911-19	DIODE 1SS11	9			Q406	8-729-245-83	TRANSISTOR 2SC2458	
D409 D410	8-719-911-19 8-719-911-19	DIODE 1SS11				Q407 Q408	8-729-204-83 8-729-204-83	TRANSISTOR 2SA1048GR TRANSISTOR 2SA1048GR	
D411	8-719-911-19	DIODE 1SS11	9			Q409 Q410	8-729-245-83 8-729-204-83	TRANSISTOR 2SC2458 TRANSISTOR 2SA1048GR	
D412 D414	8-719-911-19 8-719-911-19	DIODE 1SS11				 Q411	8-729-245-83	TRANSISTOR 2SC2458	
D415	8-719-911-19	DIODE 1SS11				Q412	8-729-245-83	TRANSISTOR 2SC2458	

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Ref.No.	Part No.	Description	<u>1</u>			Remark	Ref.No.	Part No.	Description				Remark
Q413 Q414 Q415 Q416 Q417	8-729-245-83 8-729-204-83 8-729-245-83 8-729-245-83 8-729-245-83	TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR	2SC 2458 2SA 1048GF 2SC 2458 2SC 2458 2SC 2458	₹ .			R368 R369 R370 R371 R372	1-249-429-11 1-247-815-00 1-247-815-00 1-247-843-00 1-247-143-00	CARBON CARBON CARBON CARBON CARBON	10K 220 220 3.3K 3.3K	5% 5% 5% 5% 5%	1/6W 1/6W 1/6W 1/6W 1/4W	
Q418 Q419 Q420 Q421 Q422	8-729-204-83 8-729-245-83 8-729-245-83 8-729-245-83 8-729-245-83	TRANSISTOR TRANSISTOR	2SA 1048GF 2SC 2458 2SC 2458 2SC 2458 2SC 2458	₹			R373 R374 R377 R377 R378	1-246-537-00 1-249-437-11 1-247-845-00 1-249-429-11 1-247-127-00		470K 47K 3.9K 10K 680	5% 5% 5% 5% 5%	1/4W 1/6W 1/6W 1/6W 1/4W	
Q423 Q424 Q425 Q426 Q429	8-729-245-83 8-729-204-83 8-729-245-83 8-729-245-83 8-729-245-83	TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR	2SC 2458 2SA 1048GI 2SC 2458 2SC 2458 2SC 2458	R			R401 R402 R403 R404 R405	1-247-104-00 1-247-713-11 1-247-878-00 1-247-833-00 1-249-434-11	CARBON	75 1K 91K 1.2K 27K	5% 5% 5% 5% 5%	1/4W 1/4W 1/6W 1/6W 1/6W	
Q430 Q431 Q433 Q434 Q435	8-729-245-83	TRANSISTOR	2SC 2458				R407	1-247-853-00 1-247-829-00 1-247-104-00 1-247-713-11 1-247-878-00	CARBON CARBON CARBON	8.2K 820 75 1K 91K	5% 5% 5% 5% 5%	1/6W 1/6W 1/4W 1/4W 1/6W	
Q442 Q443 Q444 Q445 Q446	8-729-204-83 8-729-204-83 8-729-204-83 8-729-245-83 8-729-245-83 8-729-204-83 8-729-204-83 8-729-204-83 8-729-204-83 8-729-204-83 8-729-204-83 8-729-204-83 8-729-204-83 8-729-204-83 8-729-204-83 8-729-204-83 8-729-204-83 8-729-204-83 8-729-204-83 8-729-204-83 8-729-204-83 8-729-204-83	TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR	2SC 2458 2SC 2458 2SC 2458 2SA 10486 2SA 10486	R R			R411 R412 R413 R414 R415	1-247-833-00 1-249-434-11 1-247-853-00 1-247-829-00 1-247-104-00	CARBON CARBON CARBON	1.2K 27K 8.2K 820 75	5% 5% 5% 5% 5%	1/6W 1/6W 1/6W 1/6W 1/4W	
Q447 Q448 Q449 Q450 Q451	8-729-245-83 8-729-204-83 8-729-245-83 8-729-204-83 8-729-245-83	TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR	2SC 2458 2SA 1048G 2SC 2458 2SA 1048G 2SC 2458	iR iR			R416 R417 R418 R419 R420	1-247-713-11 1-247-878-00 1-247-833-00 1-249-434-11 1-247-853-00	CARBON CARBON CARBON	1K 91K 1.2K 27K 8.2K	5% 5% 5% 5% 5%	1/4W 1/6W 1/6W 1/6W 1/6W	
Q452 Q453 Q454 Q455 Q456	8-729-204-83 8-729-245-83 8-729-204-83 8-729-245-83 8-729-245-83	TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR	2SA10486 2SC2458 2SA10486 2SC2458 2SC2458	GR GR			R421 R422 R423 R424 R424	1-247-829-00 1-247-173-00 1-247-885-00 1-247-877-00 1-249-437-11	CARBON CARBON CARBON	820 56K 180K 82K 47K	5% 5% 5% 5% 5%	1/6W 1/4W 1/6W 1/6W 1/6W	
Q457	8-729-204-83	TRANSISTOR	2SA10486	GR.			R426	1-247-851-00 1-247-847-00 1-247-173-00	CARBON	6.8K 4.7K 56K		1/6W 1/6W 1/4W	
R351	RE: 1-249-429-11	CARBON	10K	5%			R429 R430	1-247-885-00 1-247-877-00	CARBON	180K 82K		1/6W 1/6W	
R352 R353 R354 R355	1-247-815-00 1-249-429-11 1-247-815-00 1-247-807-00	CARBON CARBON	220 10K 220 100	5% 5% 5% 5%	1/6W 1/6W 1/6W 1/6W		R431 R432 R433 R434	1-249-437-11 1-247-851-00 1-247-847-00 1-247-807-00	CARBON CARBON	47K 6.8K 4.7K 100	5% 5%	1/6W 1/6W 1/6W 1/6W	
R356 R357 R358 R359 R361	1-247-127-00 1-247-127-00 1-247-827-00 1-247-827-00 1-247-127-00	CARBON CARBON CARBON	680 680 680 680 680	5% 5% 5% 5% 5%	1/4W 1/4W 1/6W 1/6W 1/4W		R435 R436 R437 R438 R439	1-247-879-00 1-247-698-11 1-247-713-11 1-249-421-11 1-247-725-11	CARBON CARBON CARBON CARBON	100K 68 1K 2.2K 10K	5% 5%	1/6W 1/4W 1/4W 1/6W 1/4W	
R362 R364 R365 R366 R367	1-247-127-00 1-247-827-00 1-247-127-00 1-247-704-11 1-247-704-11	CARBON CARBON CARBON	680 680 680 220 220	5% 5% 5% 5%	1/4W 1/6W 1/4W 1/4W 1/4W		R440 R442 R443 R444	1-247-878-00 1-249-434-11 1-247-853-00 1-247-698-11	CARBON CARBON CARBON	91K 27K 8.2K 68	5% 5%	1/6W 1/6W 1/6W 1/4W	

PVM-1371QM



Ref.No.	Part No.	Description				Remark	Ref.No.	Part No.	Description				Remark
R 445 R 446 R 447 R 448 R 450	1-247-713-11 1-249-421-11 1-247-725-11 1-247-878-00 1-249-434-11	CARBON CARBON CARBON CARBON CARBON	1K 2.2K 10K 91K 27K	5% 5% 5% 5% 5%	1/4W 1/6W 1/4W 1/6W 1/6W		R663 R664 R665 R666 R1401	1-247-703-11 1-247-821-00 1-247-821-00 1-247-821-00 1-249-421-11	CARBON CARBON CARBON CARBON CARBON	180 390 390 390 2.2K	5% 5% 5% 5% 5%	1/4W 1/6W 1/6W 1/6W 1/6W	
R451 R452 R453 R454 R455	1-247-853-00 1-247-698-11 1-247-713-11 1-249-421-11 1-247-725-11	CARBON CARBON CARBON CARBON CARBON	8.2K 68 1K 2.2K 10K	5% 5% 5% 5% 5%	1/6W 1/4W 1/4W 1/6W 1/4W		R1403 R1404 R1405	1-247-831-00 1-247-861-00 1-247-845-00 1-249-429-11 1-247-843-00	CARBON CARBON CARBON CARBON CARBON	1K 18K 3.9K 10K 3.3K	5% 5% 5% 5% 5%	1/6W 1/6W 1/6W 1/6W 1/6W	
R456 R458 R459 R460 R461	1-247-878-00 1-249-434-11 1-247-853-00 1-247-700-11 1-249-421-11	CARBON CARBON CARBON CARBON CARBON	91K 27K 8.2K 100 2.2K	5% 5% 5% 5% 5%	1/6W 1/6W 1/6W 1/4W 1/6W		R1414 R1415 R1417	1-247-145-00 1-247-708-11 1-247-149-00 1-247-823-00 1-249-419-11	CARBON CARBON CARBON CARBON CARBON	3.9K 470 5.6K 470 1.5K	5% 5% 5% 5% 5%	1/4W 1/4W 1/4W 1/6W 1/6W	
R462 R463 R465 R466 R467	1-247-831-00 1-247-845-00 1-249-419-11 1-247-819-00 1-247-829-00	CARBON CARBON CARBON CARBON CARBON	1K 3.9K 1.5K 330 820	5% 5% 5% 5% 5%	1/6W 1/6W 1/6W 1/6W 1/6W		R1421 R1423 R1432	1-247-847-00 1-247-831-00 1-247-827-00 1-249-429-11 1-247-843-00	CARBON CARBON CARBON CARBON CARBON	4.7K 1K 680 10K 3.3K	5% 5% 5% 5% 5%	1/6W 1/6W 1/6W 1/6W 1/6W	
R468 R469 R470 R471 R472	1-249-419-11 1-247-819-00 1-247-829-00 1-249-419-11 1-247-819-00	CARBON CARBON CARBON CARBON CARBON	1.5K 330 820 1.5K 330	5% 5% 5% 5% 5%	1/6W 1/6W 1/6W 1/6W 1/6W		R1435 R1436 R1437	1-247-848-00 1-247-833-00 1-247-869-00 1-249-429-11 1-247-849-00	CARBON CARBON CARBON CARBON CARBON	5.1K 1.2K 39K 10K 5.6K	5% 5% 5% 5% 5%	1/6W 1/6W 1/6W 1/6W 1/6W	
R473 R474 R475 R476 R477	1-247-829-00 1-247-847-00 1-247-853-00 1-247-831-00 1-247-847-00	CARBON CARBON CARBON CARBON CARBON	820 4.7K 8.2K 1K 4.7K	5% 5% 5% 5% 5%	1/6W 1/6W 1/6W 1/6W 1/6W		R1441 R1442 R1443	1-247-847-00 1-247-863-00 1-247-901-00 1-247-901-00 1-247-901-00	CAR BON CAR BON CAR BON CAR BON CAR BON	4.7K 22K 820K 820K 820K	5% 5% 5% 5% 5%	1/6W 1/6W 1/6W 1/6W 1/6W	
R 478 R 479 R 480 R 481 R 482	1-247-847-00 1-247-847-00 1-247-698-11 1-247-717-11 1-249-421-11	CARBON CARBON CARBON CARBON CARBON	4.7K 4.7K 68 2.2K 2.2K	5% 5% 5% 5% 5%	1/6W 1/6W 1/4W 1/4W 1/6W		R1446 R1447 R1448	1-247-867-00 1-247-867-00 1-246-527-00 1-247-849-00 1-249-421-11	CARBON CARBON CARBON CARBON CARBON	33K 33K 180K 5.6K 2.2K	5% 5% 5% 5% 5%	1/6W 1/6W 1/4W 1/6W 1/6W	
R 483 R 484 R 485 R 486 R 487	1-247-807-00 1-249-429-11 1-247-878-00 1-249-434-11 1-247-853-00	CARBON CARBON CARBON CARBON CARBON	100 10K 91K 27K 8.2K	5% 5% 5% 5% 5%	1/6W 1/6W 1/6W 1/6W 1/6W		R1452 R1453 R1454	1-247-831-00 1-247-843-00 1-247-831-00 1-247-843-00 1-249-421-11	CARBON CARBON CARBON CARBON CARBON	1K 3.3K 1K 3.3K 2.2K	5% 5% 5% 5%	1/6W 1/6W 1/6W 1/6W 1/6W	
R 488 R 489 R 490 R 491 R 492	1-247-704-11 1-247-721-11 1-249-419-11 1-249-421-11 1-247-829-00	CARBON CARBON CARBON CARBON CARBON	220 4.7K 1.5K 2.2K 820	5% 5% 5% 5% 5%	1/4W 1/4W 1/6W 1/6W 1/6W		R1457 R1458 R1459	1-247-823-00 1-249-421-11 1-247-799-00 1-247-825-00 1-247-791-00	CARBON CARBON CARBON CARBON CARBON	470 2.2K 47 560 22	5% 5% 5% 5% 5%	1/6W 1/6W 1/6W 1/6W 1/6W	
R 493 R 494 R 495 R 496 R 497	1-247-819-00 1-247-847-00 1-247-863-00 1-249-437-11 1-249-429-11	CARBON CARBON CARBON CARBON CARBON	330 4.7K 22K 47K 10K	5% 5% 5% 5% 5%	1/6W 1/6W 1/6W 1/6W 1/6W		R1462 R1463 R1464	1-249-421-11 1-247-823-00 1-249-421-11 1-247-799-00 1-247-825-00	CARBON CARBON CARBON CARBON CARBON	2.2K 470 2.2K 47 560	5% 5% 5% 5% 5%	1/6W 1/6W 1/6W 1/6W 1/6W	
R499 R661 R662	1-247-819-00 1-247-703-11 1-247-703-11	CARBON CARBON CARBON	330 180 180	5% 5% 5%	1/6W 1/4W 1/4W		R1467	1-247-791-00 1-249-421-11 1-247-823-00	CARBON CARBON CARBON	22 2.2K 470	5% 5% 5%	1/6W 1/6W 1/6W	



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Ref.No.	Part No.	Description				Remark	Ref.No.	Part No.	Description				Remark
	1-249-421-11 1-247-799-00	CARBON CARBON	2.2K 47	5%· 5%	1/6W 1/6W		C 708 C 709	1-124-039-51 1-121-759-00	ELECT ELECT	10MF 4.7MF		20%	16V 250V
R1471	1-247-825-00	CARBON	560	5%	1/6W		C710	1-108-433-00	MYLAR	0.1MF 0.001M	-	10%	200V 500V
	1 -247-791-00 1 -247-853-00	CARBON CARBON	22 8.2K	5% 5%	1/6W 1/6W		C711 C712	1-102-038-00 1-129-737-00	CERAMIC FILM	0.001Mi		20%	630V
R1474	1 -247 -851 -00	CARBON	6.8K	5%	1/6W		C713	1-123-356-00	ELECT	10MF		20%	50V
R1475	1-249-429-11	CARBON CARBON	10K 220	5% 5%	1/6W 1/6W		C714 C715	1-102-249-00 1-102-219-00	CERAMIC CERAMIC	680PF 680PF		20% 20%	2KV 1KV
R1477	1-247-815-00 1-247-815-00	CARBON	220	5%	1/6W		C716	1-161-731-00		0.001MI	F	10%	2KV
R1478	1-247-815-00	CARBON	220	5%	1/6W			DIO	DE				
	1 - 247 - 847 - 00 1 - 247 - 847 - 00	CARBON CARBON	4.7K 4.7K	5% 5%	1/6W 1/6W		D701	8-719-300-76	DIODE RH1A				
R1481	1-247-831-00	CARBON	1K	5%	1/6W		D702 D703	8-719-300-76 8-719-300-76	DIODE RH1A				
	1-249-429-11 1-249-429-11	CARBON CARBON	10K 10K	5% 5%	1/6W 1/6W		0703						
R1484	1-247-725-11	CARBON	10K	5%	1/4W			<u>COI</u>	_				
R1485	1-247-704-11	CARBON CARBON	220 10K	5% 5%	1/4W 1/4W		L701 L702	1-407-701-00 1-407-701-00					
R1487	1 -247 -725 -11 1 -247 -704 -11	CARBON	220	5%	1/4W		L703	1-407-701-00	MICRO INDUCT	OR 47UH			
R1488	1 - 247 - 725 - 11	CARBON	10K	5%	1/4W		L704 	1-407-701-00		UK 47UH			
R1489 R1490	1 -247 -704 -11 1 -247 -725 -11	CARBON CARBON	220 10K	5% 5%	1/4W 1/4W		 	TRA	NSISTOR				
	1-247-704-11	CARBON	220	5%	1/4W		Q701 Q702	8-729-245-83 8-729-168-82					
	VAR	IABLE RESISTOR	<u> </u>					4-370-970-01	SPACER, TR;	Q702			
RV401	1-226-853-00	RES, ADJ, CAR	RBON 47	′K			Q703 Q704	8-729-245-83 8-729-168-82	TRANSISTOR 2 TRANSISTOR 2				
RV402 RV403	1 -226 -852 -00 1 -226 -852 -00	RES, ADJ, CAR RES, ADJ, CAR	RBON 22	2K			! !	4-370-970-01	SPACER, TR;	0704			
RV404	1-226-852-00	RES, ADJ, CAR	RBON 22	2K			Q705 Q706	8-729-245-83 8-729-168-82	TRANSISTOR 2	SC2458			
K V 4 U 5	1-226-852-00	RES, ADJ, CAI	KDUN 22	Z.N.			Q700 	4-370-970-01	SPACER, TR;				
	<u>2MT</u>	TCH						RES	ISTOR				
S401 S402	1-553-725-00 1-553-725-00	SWITCH, SLID SWITCH, SLID					 R701	1-249-421-11	CARBON	2.2K	5%	1/6W	
\$403		SWITCH, SLID					R702 R703	1-247-823-00 1-247-823-00	CARBON CARBON	470 470	5% 5%	1/6W 1/6W	
*****	******	*****	*****	****	*****	*****	R704	1-247-793-00	CARBON	27	5%	1/6W	r
	*A -1330-541-A	C1 BOARD, CO	MPLETE				R705 	1-206-743-00	METAL OXIDE	5.6K	5%	3W	F
		******	*****				R706 R708	1-247-813-00 1-247-838-00	CARBON CARBON	180 2K	5% 5%	1/6W 1/6W	
	1-526-645-00	SOCKET, CRT					R709 R710	1-249-421-11 1-247-823-00	CARBON CARBON	2.2K 470	5% 5%	1/6W 1/6W	
	<u>C01</u>	NECTOR					R711	1-247-823-00	CARBON	470	5%	1/6W	
C1	*1-508-765-00						I R712	1-247-793-00		27	5%	1/6W	
C2	*1-508-786-00	2P PLUG (M)					R713 R714	1-206-743-00 1-247-813-00		5.6K 180	5% 5%	3W 1/6W	F
	CAI	PACITOR					R716 R717	1-247-838-00 1-249-421-11	CARBON CARBON	2K 2.2K	5% 5%	1/6W 1/6W	
C701	1-123-329-51		10MF		20%	25V	İ						
C 703 C 704	1-102-116-00 1-124-039-51	CERAMIC ELECT	680PF 10MF		10% 20%	50V 16V	R718 R719	1-247-823-00 1-247-823-00	CARBON	470 470	5% 5%	1/6W 1/6W	
C 705 C 706	1-102-115-00 1-124-039-51		560PF 10MF		10% 20%	50V 16V	R720 R721	1-247-793-00 1-206-743-00		27 5.6K	5% 5%	1/6W 3W	F
							R722	1-247-813-00		180	5%	1/6W	
C 707	1-102-116-00	CERAMIC	680PF		10%	50 V	4						

PVM-1371QM

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Ref.No.	Part No.	Description				Remark	Ref.No.	Part No.	Description			Remark
R723 R724 R725 R726 R727	1-247-779-00 1-247-838-00 1-247-694-11 1-244-925-00 1-202-824-00	CARBON CARBON CARBON CARBON SOLID	6.8 2K 33 150K 3.3K	5% 5% 5% 5%	1/6W 1/6W 1/4W 1/2W 1/2W		C504 C505 C506 C507 C508	1-106-208-00 1-123-380-00 1-108-587-00 1-123-380-00 1-136-173-00	ELECT MYLAR ELECT	0.033MF 1MF 0.022MF 1MF 0.47MF	10% 20% 5% 20% 5%	100V 50V 50V 50V 50V
R728 R729 R730 R731 R732	1-202-824-00 1-202-824-00 1-202-815-51 1-202-719-00 1-202-722-00	SOLID SOLID SOLID	3.3K 3.3K 47K 1M 1.8M	10% 10%	1/2W 1/2W 1/2W 1/2W 1/2W		C509 C511 C512 C513 C514	1-123-380-00 1-123-329-51 1-123-380-00 1-108-587-00 1-108-595-00	ELECT ELECT MYLAR	1MF 10MF 1MF 0.022MF 0.047MF	20% 20% 20% 5% 5%	50V 25V 50V 50V 50V
R733 R734 R735 R736 R737	1-202-719-00 1-202-824-00 1-202-720-00 1-202-834-00 1-202-549-00	SOLID SOLID SOLID	1M 3.3K 1.2M 27K 100	10% 10% 5%	1/2W 1/2W 1/2W 1/2W 1/2W		C515 C516 C517 C518 C519	1-124-514-51 1-102-228-00 1-106-204-00 1-123-329-51 1-123-228-00	CERAMIC MYLAR ELECT	100MF 470PF 0.022MF 10MF 1MF	20% 10% 10% 20% 20%	50V 500V 100V 25V 50V
R738	1-202-842-51	SOLID	220K		1/2W		C520 C521	1-123-330-00 1-123-336-00		22MF 470MF	20% 20%	25V 25V
DW701		IABLE RESISTOR	_	***	470		C522 C523	1-123-330-00 1-123-330-00	ELECT ELECT	22MF 22MF	20% 20% 20%	16V 16V 50V
RV701 RV702 RV703 RV704 RV705	1-228-719-00 1-228-723-00 1-228-719-00 1-228-719-00 1-228-719-00	RES, ADJ, CER RES, ADJ, CER RES, ADJ, CER RES, ADJ, CER	RAMIC C RAMIC C RAMIC C	CARBON CARBON CARBON	4.7K 470 4.7K		C524 C525 C526 C527	1-123-380-00 1-108-583-00 1-131-356-00 1-123-323-00 1-123-382-00	MYLAR TANTALUM ELECT ELECT	1MF 0.015MF 3.3MF 470MF 3.3MF	5% 10% 20% 20%	50V 50V 25V 16V 50V
RV706 RV707	1-228-723-00 1-228-719-00	RES, ADJ, CER	RAMIC C	CARBON	470		C528 C529 	1-123-228-00	ELECT	1MF	20%	50V
RV708 RV709 RV710	1-228-723-00 1-228-719-00 1-228-723-00	RES, ADJ, CEI RES, ADJ, CEI RES, ADJ, CEI	RAMIC C	CARBON	470		C530 C531 C532 C533	1-108-579-00 1-108-595-00 1-123-380-00 1-123-356-00		0.01MF 0.047MF 1MF 10MF	5% 5% 20% 20%	50V 50V 50V 16V
RV712	1-228-719-00 1-228-723-00 1-226-114-00	RES, ADJ, CEI RES, ADJ, CEI RES, ADJ, ME	RAMIC C	CARBON	4.7K		C534 C535	1-106-172-00	MYLAR ELECT	0.001MF 100MF	5% 20%	50V 25V
	1-226-063-00	RES, ADJ, CAI					C536 C537	1-123-336-00 1-123-381-00	ELECT ELECT	470MF 2.2MF	20 % 20 %	25V 50V
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	*1-613-038-11	C2 BOARD					 C752 C753	1-124-043-51 1-124-038-00		2.2MF 1MF	20% 20%	50V 50V
	COM	INECTOR					C755	1-108-603-00 1-124-038-00		0.1MF 1MF	5% 20%	50V 50V
C 4	*1-560-129-00 *1-560-129-00						C757	1-162-117-00	CERAMIC	100PF	10%	500V
	SWI	TCH					C758	1-108-824-00 1-123-329-51	ELECT	0.47MF 10MF	5% 20%	50V 25V
S701	1-554-974-11	SWITCH, SLID	Ε				C760 C761	1-124-126-00	ELECT ELECT	47MF 3.3MF	20% 20% 20%	25V 50V 25V
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	*A-1345-472-A	D BOARD, COM					C764 C766 C767 C768	1-123-334-00 1-123-380-00 1-123-380-00 1-106-220-00	ELECT ELECT	220MF 1MF 1MF 0.1MF	20% 20% 20% 10%	25V 50V 50V 100V
	3-701-833-01	HEAD, WASHER	, TAPP	ING SC	REW		C769	1-124-126-00		47MF	20%	25 V
0.504		PACITOR	0.000	0ME	100	FOV	C801 C802	1-136-173-00 1-123-381-00	FILM ELECT	0.47MF 2.2MF	5% 20%	50V 50V
C503	1-102-121-00	CERAMIC	0.0022	∠MF	10%	50 V	C803	1-101-888-00	CERAMIC	68PF	5%	50V



Ref.No.	Part No.	Description			Remark	Ref.No	. Part No.	Description			Remark
C804 C805 C806 C807 C808	1-123-380-00 1-102-531-00 1-106-172-00 1-102-531-00 1-123-369-00	ELECT CERAMIC MYLAR CERAMIC ELECT	1MF 150PF 0.001MF 150PF 4.7MF	20% 5% 5% 5% 20%	50V 50V 50V 50V 25V	C866 C868 C870 C871 C872	1-101-361-00 1-123-356-00 1-123-332-00 1-123-380-00 1-106-196-00	CERAMIC ELECT ELECT ELECT MYLAR	150PF 10MF 47MF 1MF 0.01MF	5% 20% 20% 20% 10%	50V 16V 25V 50V 100V
C810 C811 C813 C814 C815	1-106-188-00 1-106-196-00 1-106-204-00 1-106-180-00 1-129-794-00	MYLAR MYLAR MYLAR MYLAR FILM	0.0047MF 0.01MF 0.022MF 0.0022MF 0.0033MF	5% 10% 10% 10% 5%	50V 100V 100V 100V 100V	C873 C874 C876 C877 C877	1-123-323-00 1-106-196-00 1-102-530-00 1-102-531-00 1-102-531-00	ELECT MYLAR CERAMIC CERAMIC CERAMIC	470MF 0.01MF 120PF 150PF 150PF	20% 10% 5% 5% 5%	16V 100V 50V 50V
C816 C817 C818 C819 C821	1-123-381-00 1-123-381-00 1-123-330-00 1-123-330-00 1-123-381-00	ELECT ELECT ELECT ELECT ELECT	2.2MF 2.2MF 22MF 22MF 2.2MF	20% 20% 20% 20% 20%	50V 50V 25V 25V 50V	C880 C881 C883 C884 C885	1-102-525-00 1-102-820-00 1-108-818-11 1-123-329-51 1-108-599-00	CERAMIC CERAMIC MYLAR ELECT MYLAR	68PF 330PF 0.15MF 10MF 0.068MF	5% 5% 5% 20% 5%	50V 50V 50V 25V 50V
C822 C823 C824 C825 C827	1-123-380-00 1-123-356-00 1-123-356-00 1-123-322-00 1-123-379-00	ELECT ELECT ELECT ELECT ELECT	1MF 10MF 10MF 330MF 0.47MF	20% 20% 20% 20% 20%	50V 16V 50V 16V 50V	C886 C888 C889	1-106-180-00 1-123-323-00 1-108-818-11	MYLAR ELECT MYLAR NECTOR	0.0022MF 470MF 0.15MF	5% 20% 5%	50V 16V 50V
C828 C829 C830 C832 ∆ C833	1-102-820-00 1-106-385-00 1-102-030-00 1-161-961-11 1-108-431-00	CERAMIC MYLAR CERAMIC CERAMIC MYLAR	330PF 0.056MF 330PF 0.0022MF 0.068MF	5% 10% 10% 10%	50V 200V 500V 3KV 200V	D1 D2 D3 D4 D5	*1-560-126-00 *1-560-128-00 *1-560-125-00 *1-508-765-00 *1-508-765-00	PLUG, CONNEC PLUG, CONNEC PLUG, CONNEC 3P PLUG (M) 3P PLUG (M)	TOR (2.5MM F	PITCH)	
C835 Æ.	1-136-064-11 1-136-079-11 1-136-186-00 1-108-433-00 1-136-112-00	FILM FILM FILM MYLAR FILM		3% 3% 5% 10% 5%	2KV 2KV 200V 200V 200V	D6 D7 D8 D9 D10	*1-564-038-00 *1-508-766-00 *1-560-290-00 *1-560-124-00 *1-560-123-00	CONNECTOR PL 4P PLUG (M) PLUG, CONNEC PLUG, CONNEC PLUG, CONNEC	TOR (2.5MM F TOR (2.5MM)	PITCH) 4P	
C839 C840 C841 C842 C843	1-130-566-00 1-136-123-00 1-123-267-00 1-106-186-00 1-123-380-00	MYLAR FILM ELECT MYLAR ELECT	2.2MF 0.51MF 2.2MF 0.0039MF 1MF	10% 5% 20% 10% 20%	250V 400V 160V 100V 50V	D11 D12	*1-560-123-00 *1-560-123-00	PLUG, CONNEC PLUG, CONNEC DE			
C844 C846 C849 C850 C851	1-123-322-00 1-123-347-00 1-108-603-00 1-129-706-00 1-106-367-00	ELECT ELECT MYLAR FILM MYLAR	330MF 330MF 0.1MF 0.0022MF 0.01MF	20% 20% 5% 10%	16V 35V 50V 630V 200V	D501 D502 D504 D505 D506	8-719-100-23 8-719-911-19 8-719-911-19 8-719-911-19 8-719-911-55	DIODE RD4.3E DIODE 1SS119 DIODE 1SS119 DIODE 1SS119 DIODE UO5G			
C852 C853 C854 C855 C856	1-123-337-00 1-102-212-00 1-121-999-00 1-123-024-00 1-108-429-00	ELECT CERAMIC ELECT ELECT MYLAR	1000MF 820PF 10MF 33MF 0.047MF	20% 10%	25V 500V 160V 160V 200V	D507 D509 D751 D752 D753	8-719-911-19 8-719-911-19 8-719-911-19 8-719-911-19 8-719-911-19	DIODE 1SS119 DIODE 1SS119 DIODE 1SS119 DIODE 1SS119 DIODE 1SS119			
C857 C858 C859 C860 C861 A.	1-102-223-00 1-102-971-00 1-123-369-00 1-123-332-00 1-136-065-11	CERAMIC CERAMIC ELECT ELECT FILM	0.0047MF 82PF 4.7MF 47MF 0.0027MF	10% 5% 20% 20%	2KV 50V 50V 25V	D754 D801 D802 D803 D804	8-719-911-19 8-719-911-55 8-719-911-19 8-719-100-30 8-719-100-80	DIODE 1SS119 DIODE UO5G DIODE 1SS119 DIODE RD5.1E DIODE RD20E-	-B2		
	. 1-136-066-11 . 1-136-064-11 1-106-367-00	FIÈM FILM MYLAR	0.003MF 0.002MF 0.01MF	3% 3% 10%	2KV 2KV 200V	D805 D806 D807 D808	8-719-305-15 8-719-928-08 8-719-901-93 8-719-901-93	DIODE GH3F DIODE ERD28- DIODE V19E DIODE V19E	08		

The components identified by shading and mark A are critical for safety. Replace only with part number specified.



Ref.No. Part No.		Ref.No	. Part No.	Description	<u>)</u>		Remark
D812 8-719-300-76 D813 8-719-300-76	DIODE V3ON DIODE 1SS119 DIODE RH1A DIODE RH1A	Q754 Q755 Q755 Q756	*4-329-153-00 8-729-304-92 *4-329-153-00 8-729-177-43 8-729-177-43	TRANSISTOR HEAT SINK, TRANSISTOR	2SB649A V OUT; Q75 2SD774		
D814 8-719-911-19 D815 8-719-911-19 D816 8-719-911-19 D817 8-719-100-64 D818 8-719-911-55	DIODE 1SS119 DIODE 1SS119	Q757 Q758 Q760 Q801 Q802	8-729-177-43 8-729-374-02 8-729-245-83 8-729-245-83 8-729-204-83	TRANSISTOR	2SB740		
ĪC		0803	8-729-245-83	TRANSISTOR	2SC 2458		
IC501 8-759-100-60 IC502 8-759-979-16 IC503 8-759-113-78 IC504 8-759-145-58	IC UPC1377C IC CX7916 IC UPC1378H-L IC UPC4558C	Q804 Q805 	8-729-168-82 8-729-800-87 *4-363-404-00 4-363-414-00	TRANSISTOR TRANSISTOR HOLDER, IC; SPACER, MIC	25C2688 2SD1398 , Q805 ; Q805		
IC801 8-759-345-38 IC802 8-759-240-11 IC803 8-759-145-58 IC804 8-759-905-39 IC805 8-759-700-06	IC TC4011BP IC UPC4558C IC TDA1082 IC UPC7812H	Q806 Q807 Q808 Q810 Q811	8-729-313-82 8-729-900-36 8-729-900-36 8-729-204-83	TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR	DTC124ES DTC124ES DTC124ES DTC124ES 2SA1048GR		
*4-323-833-00 <u>COI</u>	HEAT SINK, PIN OUT; IC805	Q812 Q813 Q816	8-729-245-83 8-729-900-36 8-729-245-83 8-729-204-83	TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR	2SC 2458 DTC 124ES 2SC 2458 2SA 1048GR		
£501 A .1-408-231-11 £752 1-407-508-00 £753 1-408-247-00 £802 1-408-349-00 £803 1-408-238-00	DIODE RD12E-B1 DIODE RD12E-B1 DIODE U05G IC UPC1377C IC CX7916 IC UPC1378H-L IC UPC4558C IC HD14538BP IC TC4011BP IC UPC4558C IC TDA1082 IC UPC7812H HEAT SINK, PIN OUT; IC805 L MICRO INDUCTOR 1MMH MICRO INDUCTOR 22MMH MICRO INDUCTOR 33MMH COIL, CHOKE MICRO INDUCTOR 3.9MMH COIL, CHOKE MICRO INDUCTOR 3.9MMH COIL, CHOKE 98OUH COIL, CHOKE 98OUH COIL, DUST CORE COIL, DUST CORE COIL, SPOOK CHOKE 3.3UH COIL 15UH MICRO INDUCTOR 56UH COIL (WITH CORE) 45UH COIL (WITH CORE) 45UH COIL, DCC-H COIL 15UH MICRO INDUCTOR 33MMH ANSISTOR TRANSISTOR DTC124ES TRANSISTOR DTC124ES TRANSISTOR DTC124ES TRANSISTOR DTC124ES TRANSISTOR DTA124ES TRANSISTOR DTA124ES TRANSISTOR DTA124ES TRANSISTOR DTA124ES TRANSISTOR DTA124ES TRANSISTOR DTA124ES TRANSISTOR ZSA1048GR	Q818 Q819 Q819 Q820 Q821	8-729-204-83 8-729-245-83 8-729-245-83 8-729-245-83	TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR	2SA1048GR 2SC 2458 2SC 2458 2SC 2458 2SC 2458		
L804 A.1-459-241-11 L805 A.1-459-568-11 L806 1-407-365-00 L807 1-459-104-00	COIL, HORIZONTAL LINIALITY COIL, CHOKE 980UH COIL, CHOKE COIL, DUST CORE COIL, SPOOK CHOKE 3.3UH	Q823 Q823 Q824	8-729-245-83 8-729-245-83 RES	TRANSISTOR TRANSISTOR TRANSISTOR	2SC 2458 2SC 2458		
1 900 1 407 941 00	COTI 151H	D504	1-247-847-00	CARRON	1 7K	5% 1/6W	
L810 1-407-166-XX L811 1-459-155-00 L812 1-459-115-00 L814 1-407-841-00	MICRO INDUCTOR 56UH COIL (WITH CORE) 45UH COIL, DCC-H COIL 15UH	R505 R506 R507 R508	1-247-869-00 1-247-887-00 1-215-455-00 1-247-833-00	CARBON CARBON METAL CARBON	39K 5 220K 5 27K 1	5% 1/6W 5% 1/6W 1% 1/6W 5% 1/6W	
L816 1-408-247 - 00	MICRO INDUCTOR 33MMH	R509	1-215-473-00	METAL	150K	1% 1/6W	
TRA Q502 8-729-900-36	ANSISTOR TRANSISTOR DTC124ES	R510 R513 R514 R515	1-215-461-00 1-215-479-00 1-215-463-00 1-247-820-00	METAL METAL METAL CARBON	270K 1 56K 1	1% 1/6W 1% 1/6W 1% 1/6W 5% 1/6W	
Q503 8-729-900-36 Q504 8-729-900-36 Q505 8-729-900-63 Q507 8-729-204-83	TRANSISTOR DTC124ES TRANSISTOR DTC124ES TRANSISTOR DTA124ES TRANSISTOR 2SA1048GR	R516 R517 R518 R519	1-247-827-00 1-247-828-00 1-247-815-00 1-247-879-00	CARBON CARBON CARBON CARBON	680 5 750 5 220 5 100K	5% 1/6W 5% 1/6W 5% 1/6W 5% 1/6W	
Q508 8-729-245-83 Q509 8-729-900-36 Q510 8-723-305-00 Q751 8-729-245-83	TRANSISTOR 2SC2458 TRANSISTOR DTC124ES TRANSISTOR 2SK43-5 TRANSISTOR 2SC2458	R520 R521 R522	1-247-847-00 1-247-886-00 1-215-458-00	CARBON CARBON	4.7K 5	5% 1/6W 5% 1/6W 1% 1/6W	
Q752 8-729-313-42	TRANSISTOR 2SD1134 TRANSISTOR 2SD669A	R524 R525 R526	1-247-842-00 1-247-857-00 1-247-846-00	CARBON CARBON	12K	5% 1/6W 5% 1/6W 5% 1/6W	

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Ref.No. Pari	t No.	Description				Remark	Ref.No.	Part No.	Description				Remark
R528 1-2 R529 1-2 R530 1-2	47-863-00 15-373-31 13-137-00 13-137-00 47-874-00	CARBON METAL METAL OXIDE METAL OXIDE CARBON	22K 10 330 330 62K	5% 1% 5% 5% 5%	1/6W 1/6W 1W 1W 1/6W	F F	R590 R591 R592 R593 R594	1-247-903-00 1-247-886-00 1-212-364-00 1-247-823-00 1-247-831-00	CARBON CARBON METAL OXIDE CARBON CARBON	1M 200K 2.2 470 1K	5% 5% 5% 5% 5%	1/6W 1/6W 1W 1/6W 1/6W	F
R533 1-24 R534 1-24 R542 1-2	47-870-00 47-824-00 47-824-00 12-366-00 47-230-00	CARBON CARBON CARBON METAL OXIDE CARBON	43K 510 510 3.3 390	5% 5% 5% 5% 5%	1/6W 1/6W 1/6W 1W 1/2W	F	R595 R596 R597 R751 R753	1-247-831-00 1-247-815-00 1-247-831-00 1-247-874-00 1-247-875-00	CARBON CARBON CARBON CARBON CARBON	1K 220 1K 62K 68K	5% 5% 5% 5%	1/6W 1/6W 1/6W 1/6W 1/6W	
R546 1-2 R547 1-2 R548 1-2	47-837-00 47-851-00 47-831-00 47-849-00 49-429-11	CARBON CARBON CARBON CARBON CARBON	1.8K 6.8K 1K 5.6K 10K	5% 5% 5% 5% 5%	1/6W 1/6W 1/6W 1/6W 1/6W		R754 R755 R756 R757 R757	1-247-861-00 1-247-831-00 1-247-825-00 1-247-831-00 1-247-819-00	CARBON CARBON CARBON CARBON CARBON	18K 1K 560 1K 330	5% 5% 5% 5% 5%	1/6W 1/6W 1/6W 1/6W 1/6W	
R551 1-2 R552 1-2 R553 1-2	47-878-00 49-437-11 47-853-00 47-847-00 47-886-00	CARBON CARBON CARBON CARBON CARBON	91K 47K 8.2K 4.7K 200K	5% 5% 5% 5% 5%	1/6W 1/6W 1/6W 1/6W 1/6W		R760 R761 R762 R763 R764	1-247-824-00 1-247-831-00 1-247-827-00 1-247-886-00 1-247-846-00	CARBON CARBON CARBON CARBON CARBON	510 1K 680 200K 4.3K	5% 5% 5% 5% 5%	1/6W 1/6W 1/6W 1/6W 1/6W	
R556 1-2 R558 1-2 R559 1-2	47-849-00 47-859-00 47-867-00 49-429-11 49-429-11	CARBON CARBON CARBON CARBON CARBON	5.6K 15K 33K 10K 10K	5% 5% 5% 5% 5%	1/6W 1/6W 1/6W 1/6W 1/6W		R765 R766 R767 R768 R769	1-213-147-00 1-247-802-00 1-247-807-00 1-247-857-00 1-247-021-00	METAL OXIDE CARBON CARBON CARBON CARBON	2.2K 62 100 12K 1.5	5% 5% 5% 5% 5%	1W 1/6W 1/6W 1/6W 1/8W	F
R562 1-2 R563 1-2 R564 1-2	47-876-00 47-875-00 47-875-00 47-889-00 49-429-11	CARBON CARBON CARBON CARBON CARBON	75K 68K 68K 270K 10K	5% 5% 5% 5% 5%	1/6W 1/6W 1/6W 1/6W 1/6W		 R770 R771 R772 R773 R774	1-247-021-00 1-247-874-00 1-247-870-00 1-247-824-00 1-247-817-00	CARBON CARBON CARBON CARBON CARBON	1.5 62K 43K 510 270	5% 5% 5% 5% 5%	1/8W 1/6W 1/6W 1/6W 1/6W	F _.
R567 1-2 R568 1-2 R569 1-2	215-493-00 247-877-00 247-807-00 247-875-00 247-870-00	METAL CARBON CARBON CARBON CARBON	1M 82K 100 68K 43K	1% 5% 5% 5% 5%	1/6W 1/6W 1/6W 1/6W 1/6W		 R775 R776 R777 R778 R779	1-247-824-00 1-247-819-00 1-247-825-00 1-247-875-00 1-249-429-11	CARBON CARBON CARBON CARBON CARBON	510 330 560 68K 10K	5% 5% 5% 5% 5%	1/6W 1/6W 1/6W 1/6W 1/6W	
R572 1-2 R573 1-2 R574 1-2	247-831-00 247-831-00 247-881-00 247-873-00 247-849-00	CARBON CARBON CARBON CARBON CARBON	1K 1K 120K 56K 5.6K	5% 5% 5% 5% 5%	1/6W 1/6W 1/6W 1/6W 1/6W		R780 R781 R782 R783 R784	1-247-833-00 1-247-816-00 1-247-822-00 1-247-817-00 1-247-851-00	CARBON CARBON CARBON CARBON CARBON	1.2K 240 430 270 6.8K	5% 5% 5% 5% 5%	1/6W 1/6W 1/6W 1/6W 1/6W	
R577 1-2 R578 1-2 R579 1-2	249-421-11 247-815-00 247-889-00 247-879-00 247-831-00	CARBON CARBON CARBON CARBON CARBON	2.2K 220 270K 100K 1K	5% 5% 5% 5% 5%	1/6W 1/6W 1/6W 1/6W 1/6W		R785 R786 R787 R788 R789	1-247-021-00 1-247-021-00 1-247-881-00 1-247-879-00 1-247-833-00	CARBON CARBON CARBON CARBON CARBON	1.5 1.5 120K 100K 1.2K	5% 5% 5% 5% 5%	1/8W 1/8W 1/6W 1/6W 1/6W	F F
R582 1-2 R583 1-2 R584 1-2	247-831-00 247-849-00 247-892-00 249-437-11 247-795-00	CARBON CARBON CARBON CARBON CARBON	1K 5.6K 360K 47K 33	5% 5% 5% 5% 5%	1/6W 1/6W 1/6W 1/6W 1/6W		R790 R801 R802 R803 R804	1-247-001-11 1-247-843-00 1-247-861-00 1-247-881-00 1-247-867-00	CARBON CARBON CARBON CARBON CARBON	15 3.3K 18K 120K 33K	5% 5% 5% 5% 5%	1/4W 1/6W 1/6W 1/6W 1/6W	F
R587 1-	247-859-00 247-831-00 247-831-00		15K 1K 1K	5% 5% 5%	1/6W 1/6W 1/6W		 R805 R806 R807	1-249-419-11 1-249-421-11 1-247-894-00	CARBON CARBON CARBON	1.5K 2.2K 430K	5% 5% 5%	1/6W 1/6W 1/6W	

PVM-1371QM



Ref.No.	Part No.	Description				Remark	Ref.No.	Part No.	Description				Remark
R808 R809 R810 R811 R812	1-249-434-11 1-249-419-11 1-247-857-00 1-215-462-00 1-247-873-00	CARBON CARBON CARBON METAL CARBON	27K 1.5K 12K 51K 56K	5% 5% 5% 1% 5%	1/6W 1/6W 1/6W 1/6W 1/6W		R852 R853 R855 R856 R857	1-247-863-00 1-247-845-00 1-247-819-00 1-247-853-00 1-247-879-00	CARBON CARBON CARBON CARBON CARBON	22K 3.9K 330 8.2K 100K	5% 5% 5% 5% 5%	1/6W 1/6W 1/6W 1/6W 1/6W	
R813 R814 R815 R816 R817	1-247-825-00 1-247-849-00 1-247-857-00 1-247-807-00 1-247-877-00	CARBON CARBON CARBON CARBON CARBON	560 5.6K 12K 100 82K	5% 5% 5% 5% 5%	1/6W 1/6W 1/6W 1/6W 1/6W		R858 R859 R860 R861 R862	1-247-890-00 1-247-867-00 1-217-418-00 1-217-418-00 1-244-923-00	CARBON CARBON FUSIBLE FUSIBLE CARBON	300K 33K 0.47 0.47 120K	5% 5% 10% 10% 5%	1/6W 1/6W 1/2W 1/2W 1/2W	F F
R818 R819 R820 R821 R822	1-247-868-00 1-247-857-00 1-247-877-00 1-247-879-00 1-247-879-00	CARBON CARBON CARBON CARBON CARBON	36K 12K 82K 100K 100K	5% 5% 5% 5% 5%	1/6W 1/6W 1/6W 1/6W 1/6W		R863 R864 R865 R866 R866	1-244-923-00 1-246-488-00 1-247-721-11 1-247-614-00 1-213-143-00	CARBON CARBON CARBON CARBON METAL OXIDE	120K 4.3K 4.7K 3.3K 1K	5% 5% 5% 5% 5%	1/2W 1/4W 1/4W 1/8W 1W	, F
R823 R824 R825 R826 R827	1-247-845-00 1-247-833-00 1-249-429-11 1-215-473-00 1-215-447-00	CARBON CARBON CARBON METAL METAL	3.9K 1.2K 10K 150K 12K	5% 5% 5% 1% 1%	1/6W 1/6W 1/6W 1/6W 1/6W		R868 R869 R870 R871 R872	1-213-147-00 1-213-127-00 1-247-867-00 1-249-421-11 1-247-877-00	METAL OXIDE METAL OXIDE CARBON CARBON CARBON	2.2K 47 33K 2.2K 82K	5% 5% 5% 5% 5%	1W 1W 1/6W 1/6W 1/6W	F
R828 ** R829 ** R829 ** R829 ** R829	1-215-441-00 1-247-862-00 1-247-863-00 1-247-864-00 1-249-434-11	METAL CARBON CARBON CARBON CARBON	6.8K 20K 22K 24K 27K	1% 5% 5% 5% 5%	1/6W 1/6W 1/6W 1/6W 1/6W		R873 R874 R875 R876 R877	1-249-429-11 1-249-434-11 1-247-843-00 1-212-364-00 1-247-874-00	CARBON CARBON CARBON METAL OXIDE CARBON	10K 27K 3.3K 2.2 62K	5% 5% 5% 5% 5%	1/6W 1/6W 1/6W 1W 1/6W	F
<pre>%R829 %R829 %R829 %R829 %R829</pre>	1-247-866-00 1-247-867-00 1-247-869-00 1-249-437-11 1-247-873-00	CARBON CARBON CARBON CARBON CARBON	30K 33K 39K 47K 56K	5% 5% 5% 5% 5%	1/6W 1/6W 1/6W 1/6W 1/6W		R878 R879 R880 R881 R882	1-247-894-00 1-247-841-00 1-249-421-11 1-249-429-11 1-247-831-00	CARBON CARBON CARBON CARBON CARBON	430K 2.7K 2.2K 10K 1K	5% 5% 5% 5% 5%	1/6W 1/6W 1/6W 1/6W 1/6W	
* R829 R830 R831 R832 R833	1-247-876-00 1-247-867-00 1-247-864-00 1-247-841-00 1-215-449-00	CARBON CARBON CARBON CARBON METAL	75K 33K 24K 2.7K 15K	5% 5% 5% 5% 1%	1/6W 1/6W 1/6W 1/6W 1/6W		R883 R884 R885 R886 R887	1-247-841-00 1-247-841-00 1-247-881-00 1-247-845-00 1-247-807-00	CARBON CARBON CARBON CARBON CARBON	2.7K 2.7K 120K 3.9K 100	5% 5% 5% 5% 5%	1/6W 1/6W 1/6W 1/8W 1/6W	
R834 R835 R836 R837 R838	1-215-464-00 1-215-467-00 1-247-819-00 1-247-831-00 1-206-745-00	METAL METAL CARBON CARBON METAL OXIDE	62K 82K 330 1K 6.8K	1% 1% 5% 5% 5%	1/6W 1/6W 1/6W 1/6W 3W	F	 R888 R889 R890 **R891 **R891	1-215-477-00 1-215-463-00 1-212-360-00 1-215-397-00 1-215-425-00	METAL METAL METAL OXIDE METAL METAL	220K 56K 1 100 1.5K	1% 1% 5% 1% 1%	1/6W 1/6W 1W 1/6W 1/6W	F
R839 R840 R841 R842 R843	1-247-662-00 1-247-841-00 1-212-361-00 1-206-745-00 1-247-851-00	CARBON CARBON METAL OXIDE METAL OXIDE CARBON	560 2.7K 1.2 6.8K 6.8K	5% 5%		F F	*R891 *R891 *R891 *R891 *R891 *R891	1-215-433-00 1-215-439-00 1-215-443-00 1-215-447-00 1-215-449-00	METAL METAL METAL METAL METAL	3.3K 5.6K 8.2K 12K 15K	1% 1% 1% 1% 1%	1/6W 1/6W 1/6W 1/6W 1/6W	
R 844 R 845 R 846 R 847 R 848	1-213-126-00 1-215-465-00 1-247-819-00 1-249-429-11 1-247-846-00	METAL OXIDE METAL CARBON CARBON CARBON	39 68K 330 10K 4.3K	5% 1% 5% 5% 5%	1W 1/6W 1/6W 1/6W 1/6W	F	*R891 *R891 *R891 R892 R893	1-215-451-00 1-215-453-00 1-215-455-00 1-215-445-00 1-247-851-00	METAL METAL METAL METAL CARBON	18K 22K 27K 10K 6.8K	1% 1% 1% 1% 5%	1/6W 1/6W 1/6W 1/6W 1/6W	
R 849 R 850 R 851	1-247-861-00 1-247-844-00 1-247-861-00	CARBON CARBON CARBON	18K 3.6K 18K	5% 5% 5%	1/6W 1/6W 1/6W		R894 R895 R896	1-247-869-00 1-249-421-11 1-247-831-00	CARBON CARBON CARBON	39K 2.2K 1K	5% 5% 5%	1/6W 1/6W 1/6W	

^{• * :} selected to yield optimum performance.



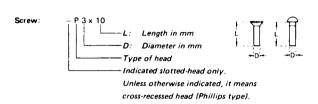


Ref.No. Part No. Desc	cription	Remark	lRef.No.	Part No.	Description				Remark
R897 1-247-846-00 CARI		1/6W			NSISTOR				
R898 1-247-831-00 CARI R899 1-247-823-00 CARI	BON 1K 5%	1/6W 1/6W	0681		TRANSISTOR 2S	A1048GR			
	E RESISTOR	-•	i `	RES	ISTOR				
RV501 1-228-577-00 RES			 R681	1-249-429-11	CARBON	10K	5%	1/6W	
	s, ADJ, CARBON 10K		R682	1-247-868-00 1-247-853-00	CARBON CARBON	36K 8.2K		1/6W 1/6W	
RV504 1-226-852-00 RES	, ADJ, CARBON 22K , ADJ, METAL GLAZE 1K		R685 R686	1-247-831-00 1-247-831-00		1K 1K		1/6W 1/6W	
	, ADJ, CARBON 220K		R687	1-247-851-00	CARBON	6.8K		1/6W	
RV751 1-226-850-00 RES	5, ADJ, CARBON 4.7K 5, ADJ, CARBON 4.7K		R688 R689	1-247-831-00 1-247-837-00		1K 1.8K		1/6W 1/6W	
RV752 1-228-724-00 RES RV753 1-226-850-00 RES	5, ADJ, CARBON 10K 5, ADJ, CARBON 4.7K		!	VAR	IABLE RESISTOR	-			
	S, ADJ, METAL GLAZE 5K			1-228-937-00 1-228-938-00	RES, VAR, CAR RES, VAR, CAR				
RV804 1-226-847-00 RES	5, ADJ, CARBON 3.3K 5, ADJ, CARBON 1K		RV683	1-228-938-00	RES, VAR, CAR RES, VAR, CAR	BON 20K	(
	5, ADJ, CARBON 330 5, ADJ, CARBON 3.3K			1-228-936-00	RES, VAR, CAR				
	5, ADJ, CARBON 2.2K 5, ADJ, WIREWOUND 120		RV 686	1-228-936-00	RES, VAR, CAR	BON 10k			
	S, ADJ, CARBON 47K			SWI	<u>TCH</u>				
RV812 1-226-853-00 RES			S671 S672	1-516-777-XX 1-516-777-XX					
TRANSFO	ORMER		S673 S674	1-516-777-XX		(1 KEY))		
T801 <u>Å</u> .1-437-090-11 HDT T803 <u>Å</u> .1-421-693-11 TRA			S675		SWITCH, PUSH				
THERMIS			****** 	******		*****	*****	*****	****
TH501 1-806-110-00 THE					CELLANEOUS				
TH751 1-800-071-XX THE	•			.1-162-142-21				-	
********		******	بيه ا	.1-228-482-14	RESISTOR ASSY DEFLECTION YO	ΚΕ (SY-	-97A)	£	
*1-613-041-11 H B ***	BOARD *****			1-452-032-00 1-452-094-00	MAGNET, DISK; MAGNET, ROTAT			MM ø	
*4-365-401-00 HOL	LDER (10 GANG), LED			1-452-146-21		' (H TYE	DF)		
<u> 3DOIO</u>			1	1-543-179-00	CORE, RING CONNECTOR ASS			6P	
D681 8-719-114-34 DIC D682 8-719-114-34 DIC				.1-558-159-11	CORD, POWER	, (,,,,,,,,	, ,	-	
	ODE SY432D			1-123-337-00 1-426-086-12			20%	25 V	
D685 8-719-114-34 DIC			S901 ₫	1-554-967-11	SWITCH, PUSH		WER)(1	KEY)	
D686 8-719-114-34 DIC D687 8-719-114-34 DIC				.1-439-308-12		ASSY, FL	_YBACK		
D688 8-719-114-34 DIC D689 8-719-114-34 DIC	ODE SY432D			.8-738-312-05					
D690 8-719-102-34 DIG			******	*****	*****	*****	*****	*****	*****
			<u> </u>		IES AND PACKIN				

The components identified by shading and mark <u>A</u> are critical for safety. Replace only with part number specified.

4-316-037-00 BAG, POLYETHYLENE 4-364-734-00 CUSHION (UPPER) (ASSY) 4-364-735-00 CUSHION (LOWER) (ASSY) 4-365-429-01 INDIVIDUAL CARTON 4-493-991-11 MANUAL, INSTRUCTION

HARDWARE NOMENCLATURE



Reference Designation	Shape	Description	Remarks
	4	SCREWS	
P	€⊒	pan-head screw	binding-head (B) screw for replacement
PWH	₽	pan-head screw with washer face	binding-head (B) screw and flat washer for replacement
PS PSP	85 3-	pan-head screw with spring washer	binding-head (B) screw and spring washer for replace- ment
PSW PSPW	elist)	pan-head screw with spring and flat washers	binding-head (B) screw and spring and flat washers for replacement
R	€∋	round-head screw	binding-head (B) screw for replacement
К	Þ	flat-countersunk-head screw	
RK	₽	oval-countersunk-head screw	
В	₽	binding-head screw	
Т	₽	truss-head screw	binding-head (B) screw for replacement
F	₽	flat-fillister-head screw	
RF	€⊐•	fillister-head screw	
BV	Ð	brazier-head screw	1 .

Nut, Washer,	Retaining ring:
	N 3 — Diameter of usable screw or shaf Reference designation

Reference Designation	Shape	Description	Remarks
	A	SELF-TAPPING SCRE	WS
TA		self-tapping screw	ex: TA, P 3 x 10
PTP	6	pan-head self-tapping screw	binding-head self- tapping (TA, B) screw for replacement
PTPWH		pan-head self-tapping screw with washer face	binding-head self tapping (TA, B) screw and flat washer for replacement
PTTWH		pan-head thread-rolling screw with washer face	binding-head (B) screw and flat washer for replacement
		SET SCREWS	
SC	€	set screw	
SC	-⊚€:∃-	hexagon-socket set screw	ex: SC 2.6 x 4, hexagon socket
		NUT	
N	-[]-(-)-(-)-(-)-(-)-(-)-(-)-(-)-(-)-(-)-(-	nut	
		WASHERS	
W	0	flat washer	
SW	- F	spring washer	
LW	0	internal-tooth lock washer	ex: LW3, internal
LW	٥	external-tooth lock washer	ex: LW3, external
		RETAINING RINGS	
E	0	retaining ring	
G	©	grip-type retaining ring	

89HH0406-2 Printed in Japan ©1985

huh toy

PWM-13710W

SONY. SERVICE MANUAL

West Germany Model

Chassis No. SCC-687A-A

SUPPLEMENT-1

File this Supplement with the Service Manual.

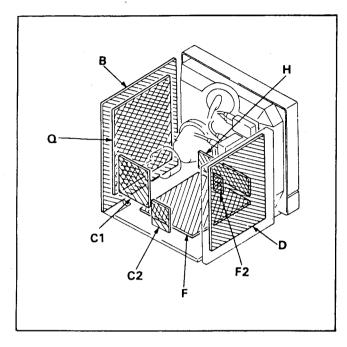
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7	ELEC	TRICAL BARTS LIST	25



SECTION 5 DIAGRAMS

5-1. CIRCUIT BOARDS LOCATION



Note: The components identified by shading and mark

A are critical for safety. Replace only with
part number specified.

•

- All capacitors are in μF unless otherwise noted, pF: μμF
 50WV or less are not indicated except for electrolytics.
- All resistors are in ohms, 1/6W unless otherwise noted. $k\Omega$ = 1000 Ω , $M\Omega$ = 1000 $k\Omega$
- - : nonflamable resistor.
- fusible resistor
- Δ: internal component.
- panel designation.
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.
- Readings are taken with a color-bar signal input to LINE A.
- Voltages are dc with respect to ground unless otherwise noted,
- The voltage value of IC601, Q601 to Q606 on F board and Q609 of F2 board is the reference value between the Q604 emiter.
- Readings are taken with a $10M\Omega$ digital multimeter.
- _____: adjustment for repair.
- Voltage variations may be noted due to normal production tolerances.
- ---- : B + bus.
- --- : B bus.
- (1): The number indicates No. of a waveform diagram.

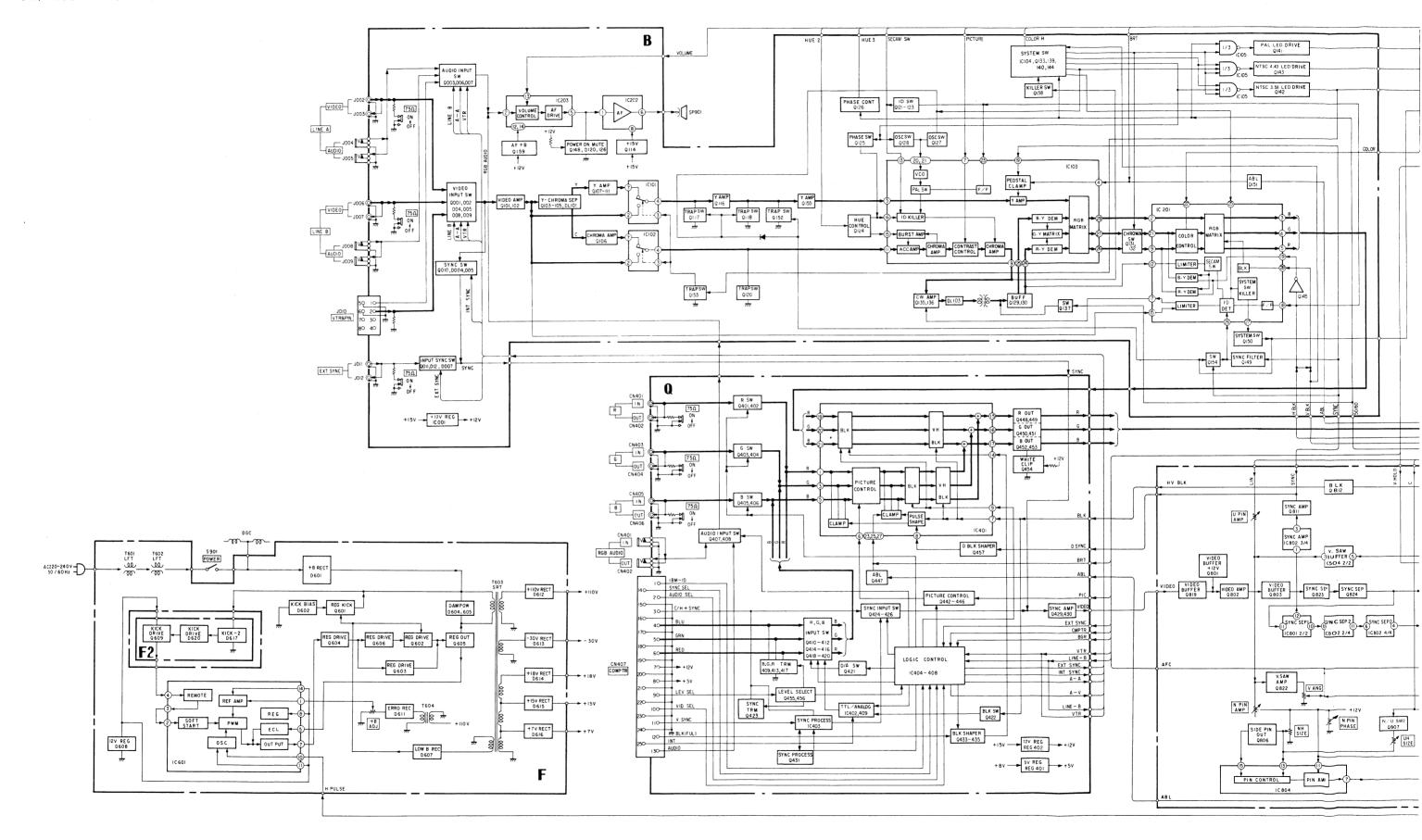
 For the waveform diagram, refer to page 53.
- no mark : PAL
 - (): SECAM < >: NTSC 3.58
 - []: NTSC 4.43
 - *: Can not be measured.
- * : Selected to yield optimum performance.

SAFETY-RELATED COMPONENT WARNING !!

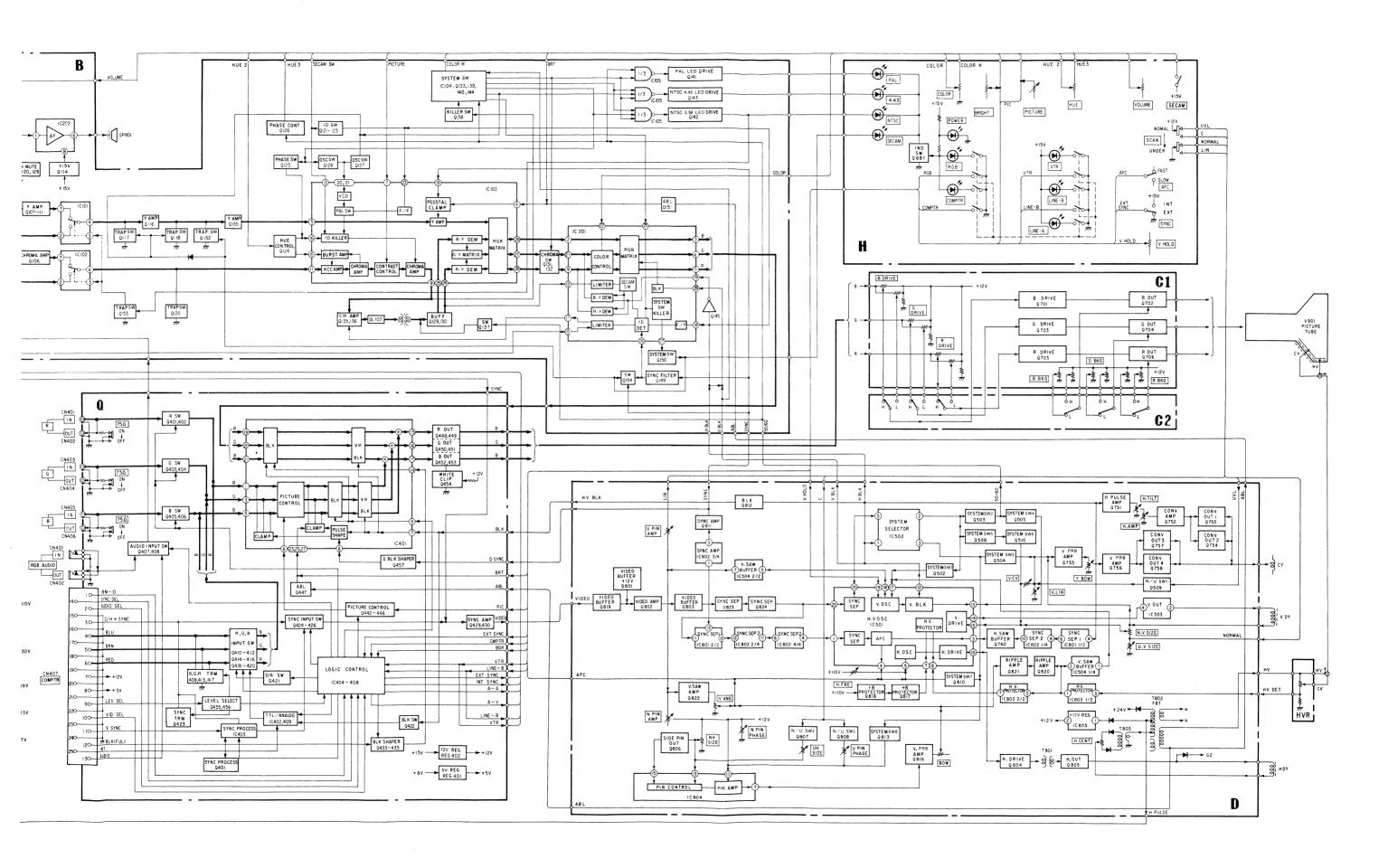
COMPONENTS IDENTIFIED BY SHADING AND MARK

\(\bar{\Lambda} \) ON THE SCHEMATIC DIAGRAMS, EXPLODED
VIEWS AND IN THE PARTS LIST ARE CRITICAL TO
SAFE OPERATION. REPLACE THESE COMPONENTS
WITH SONY PARTS WHOSE PART NUMBERS APPEAR
AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS
PUBLISHED BY SONY.

5-2. BLOCK DIAGRAMS

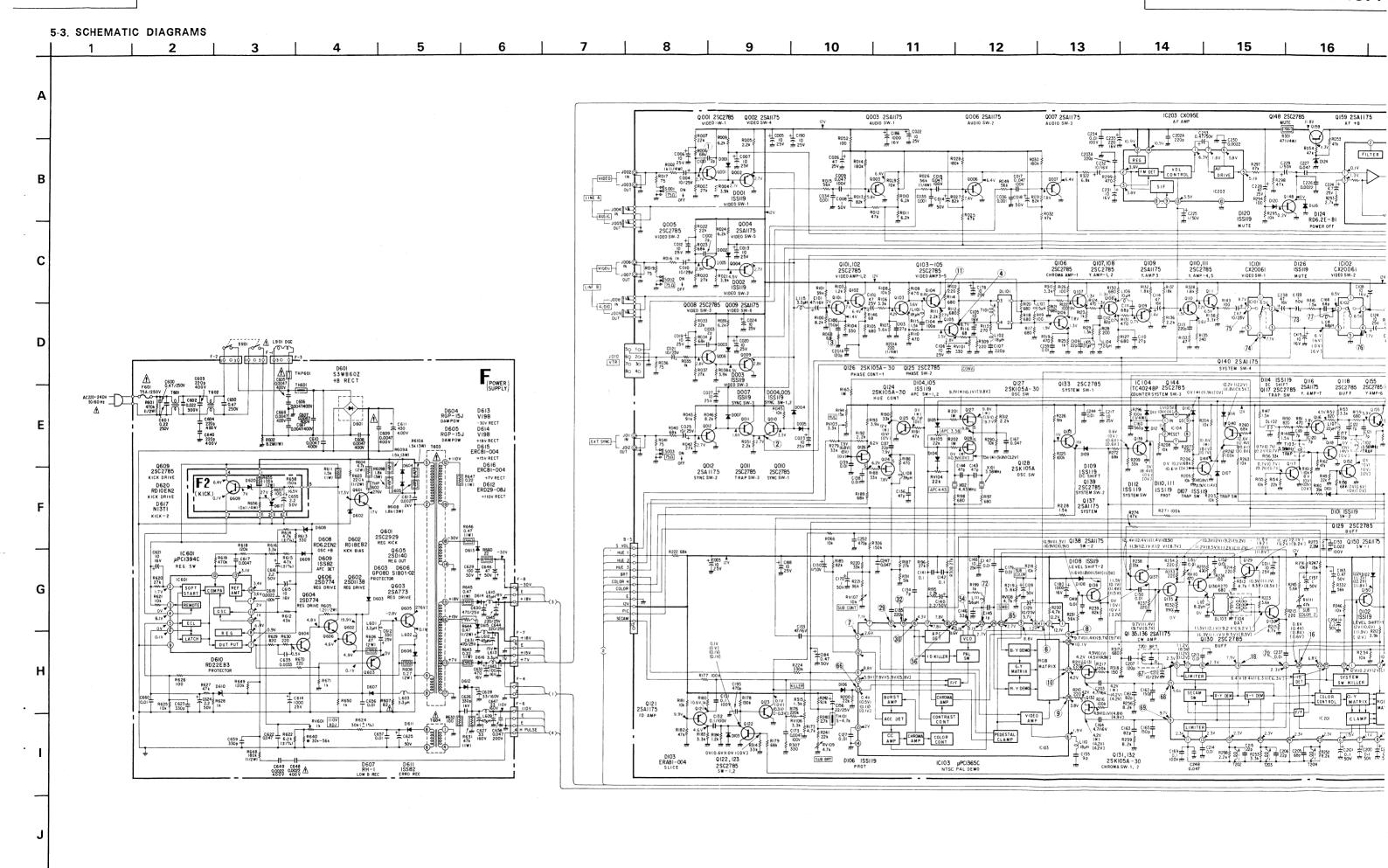


-1371QM

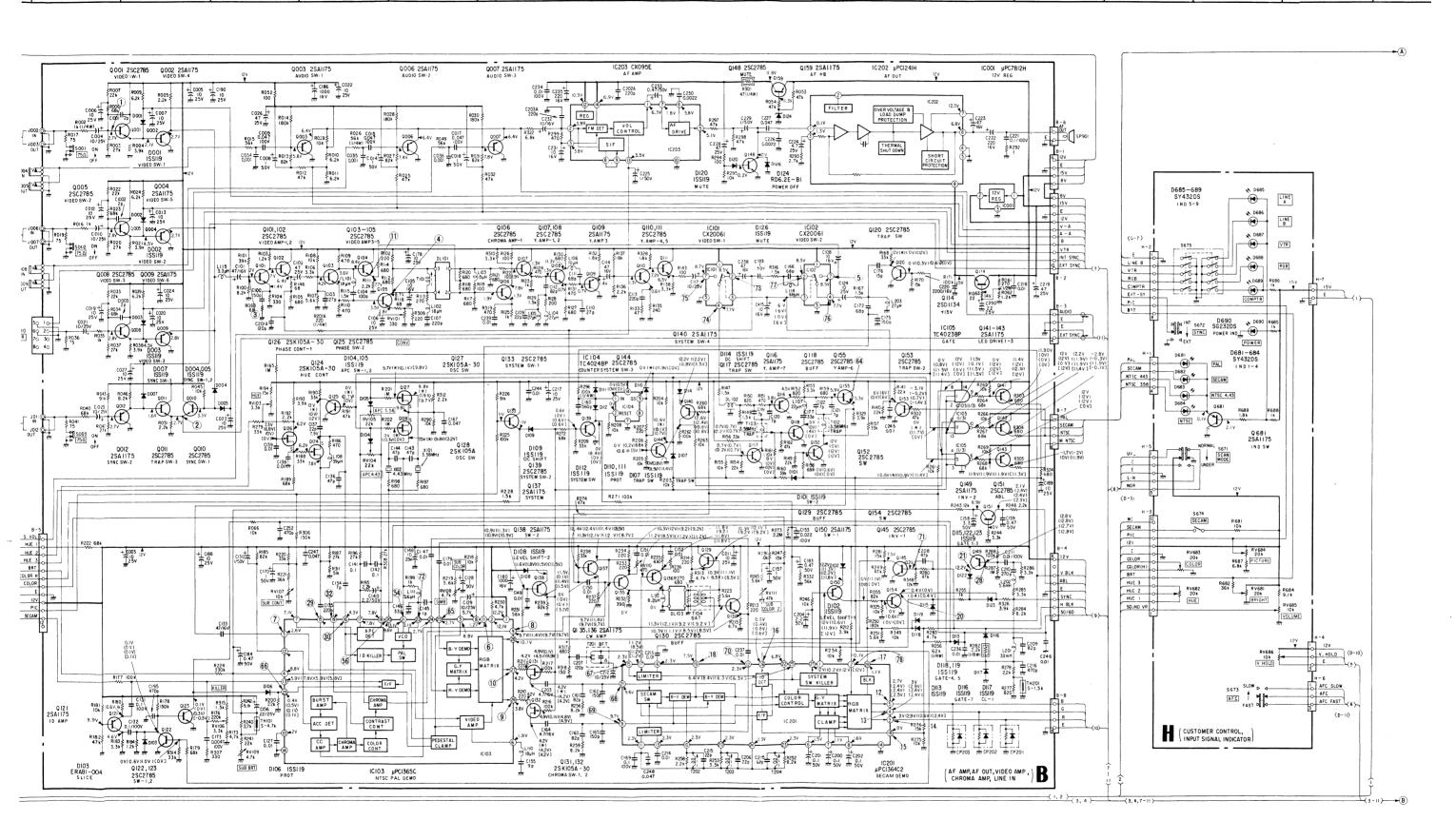


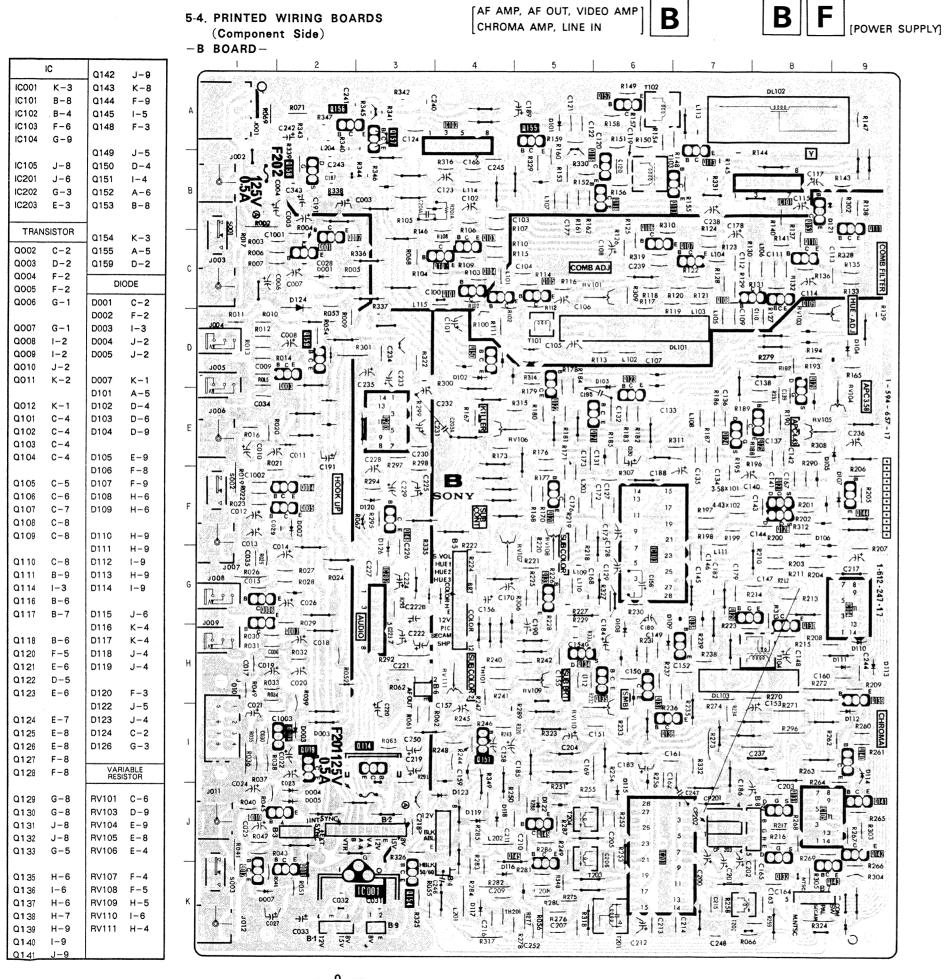
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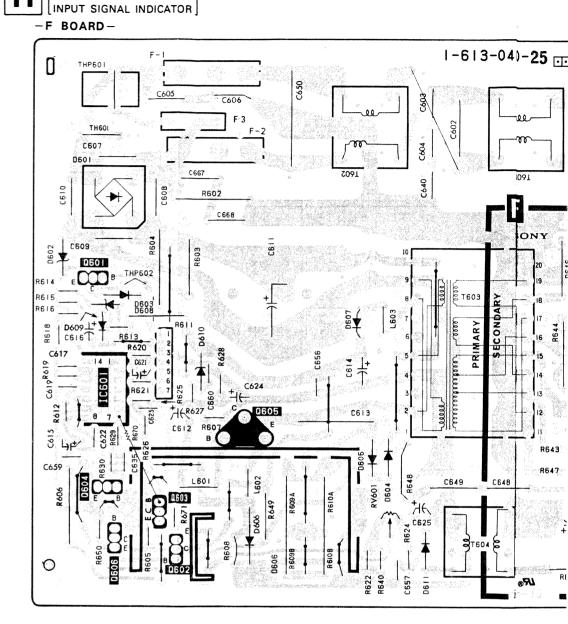
PVM-1371QM PVM-13710

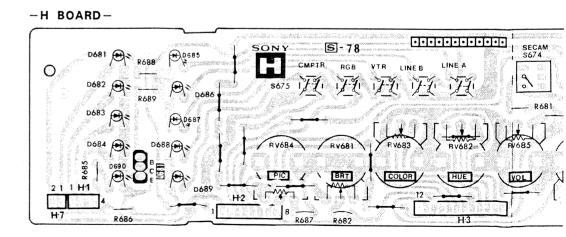


| 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 |





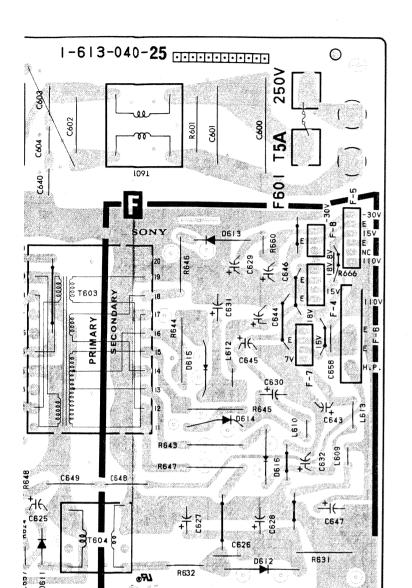




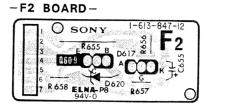
CUSTOMER CONTROL

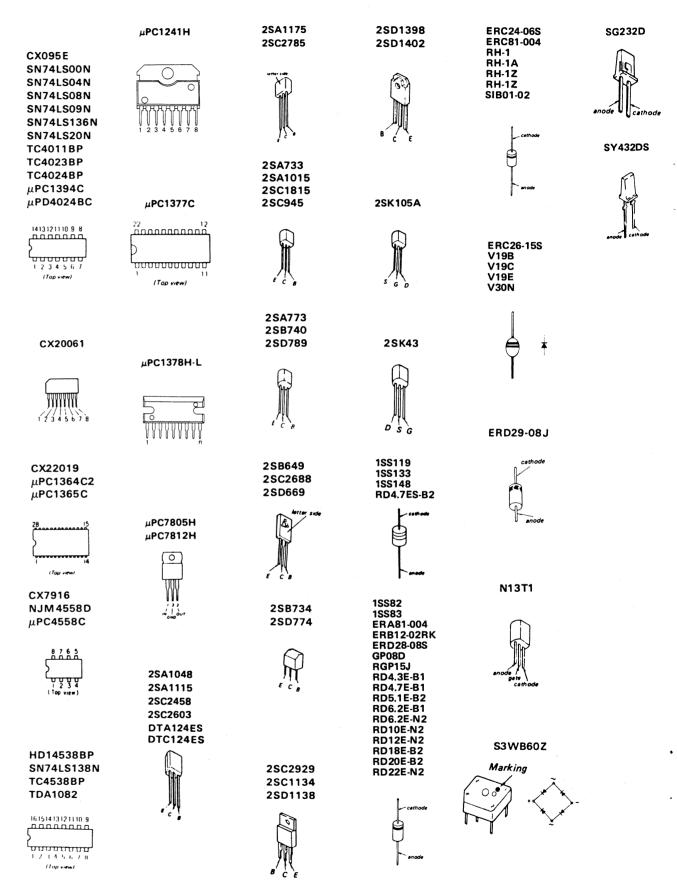
 $_{\text{[KICK]}}$ F2 F H

5-5. SEMICONDUCTORS



SECAM S674



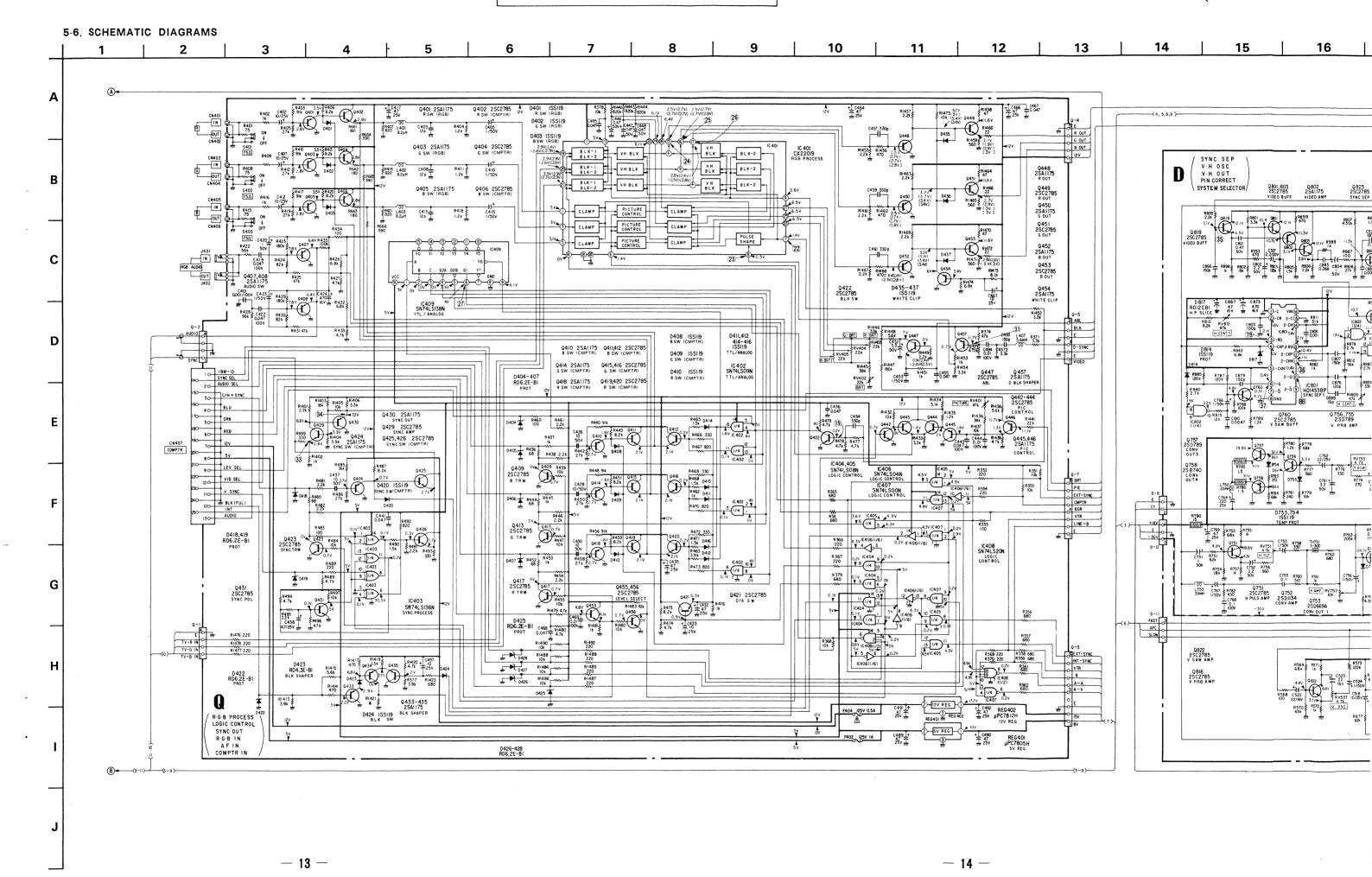


1-613-041-12

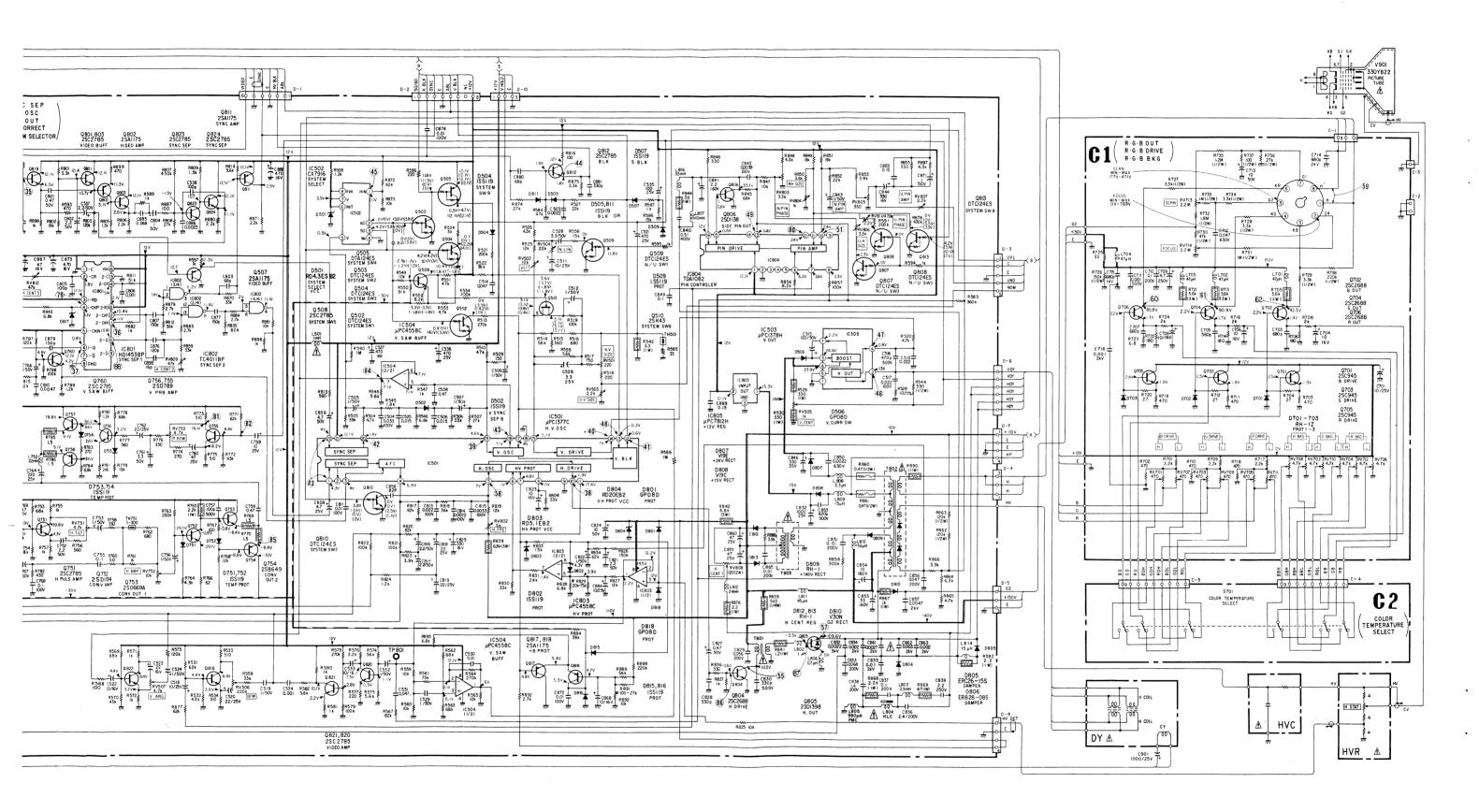
AFC S673

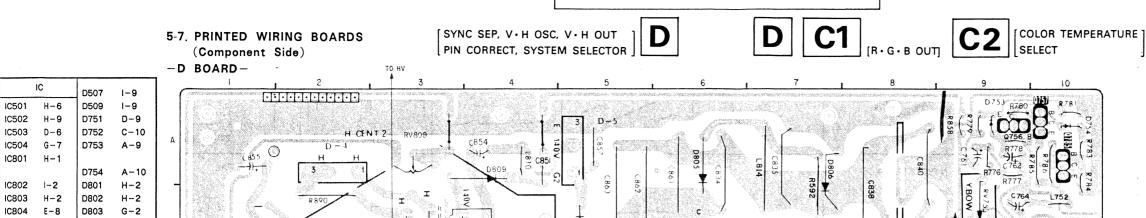
H-6

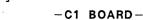
— 11 —

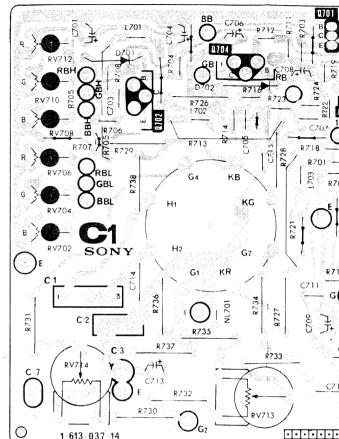


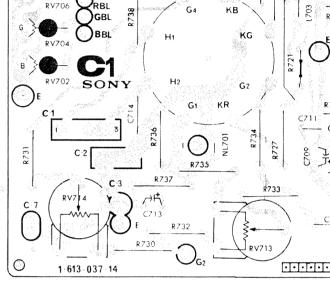
15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 |

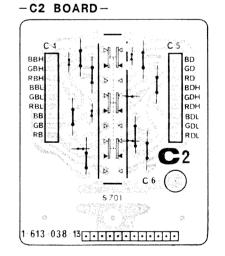


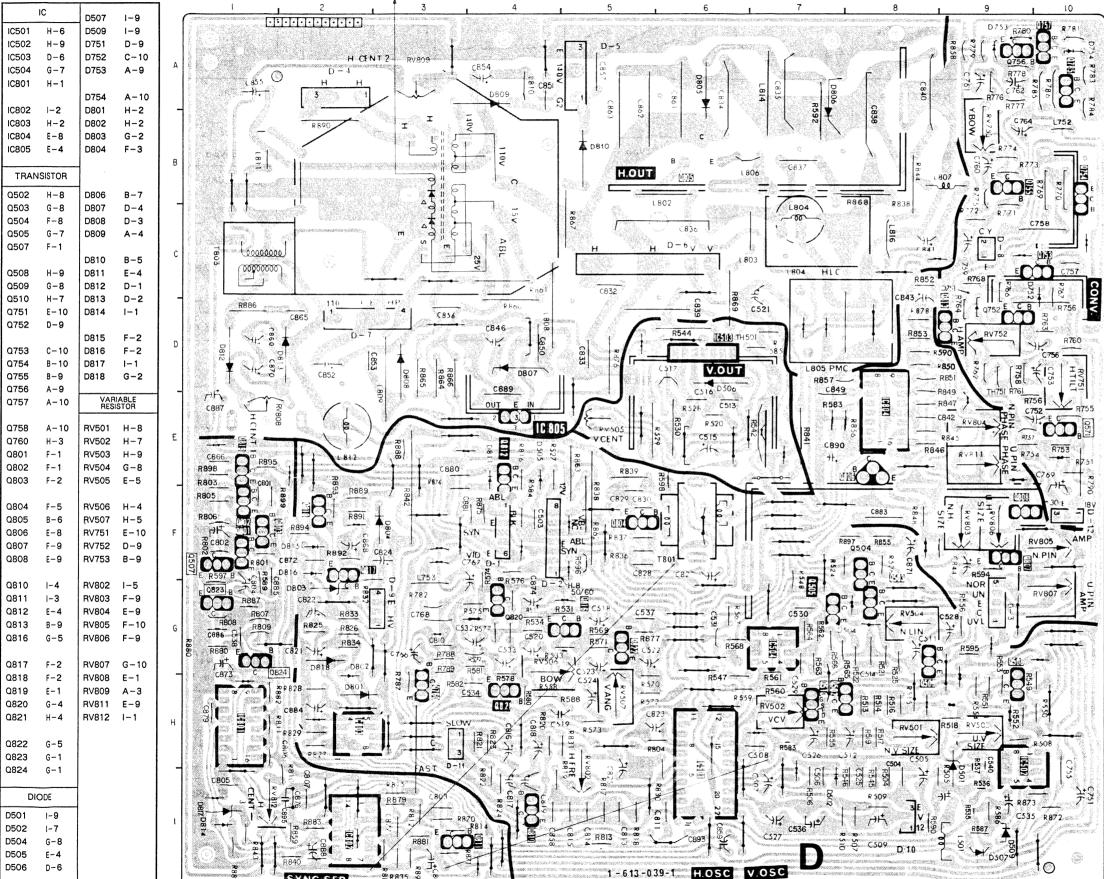












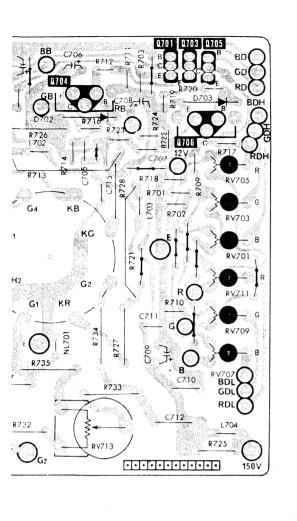
PVM-1371QM

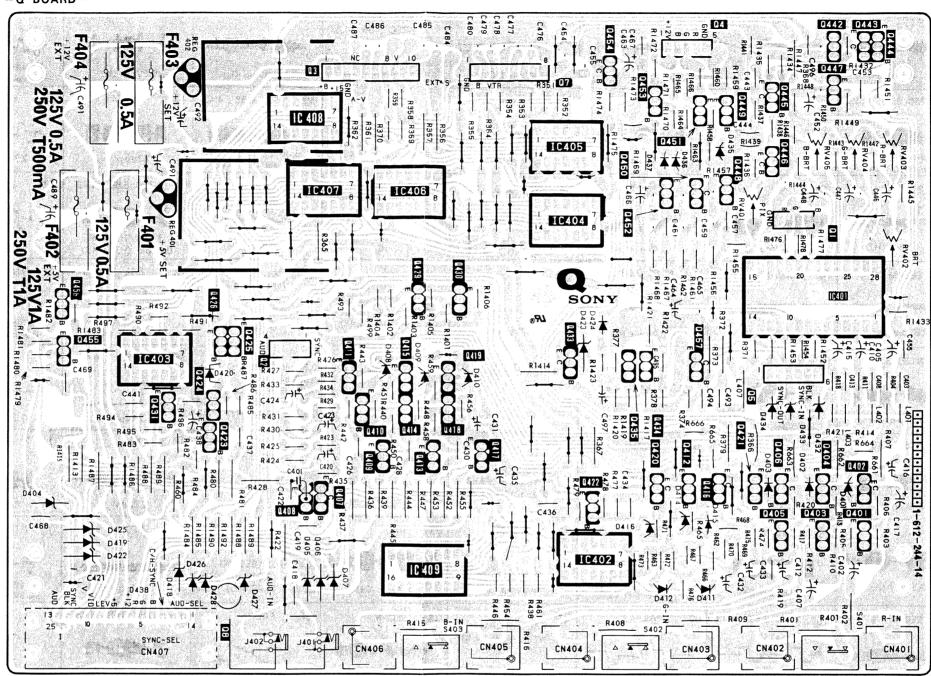
PVM-1371QM

C1

R.G.B PROCESS, LOGIC CONTROL SYNC OUT, R.G.B IN, AF IN, COMPTR IN Q

-Q BOARD-

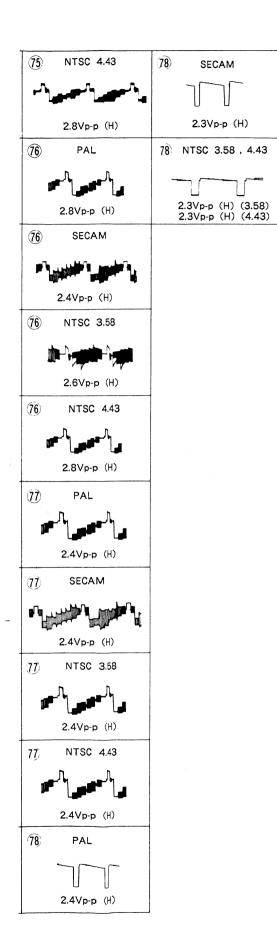


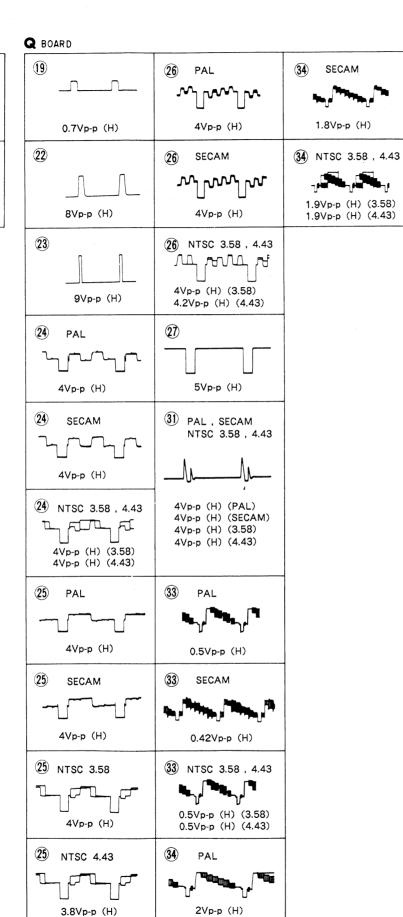


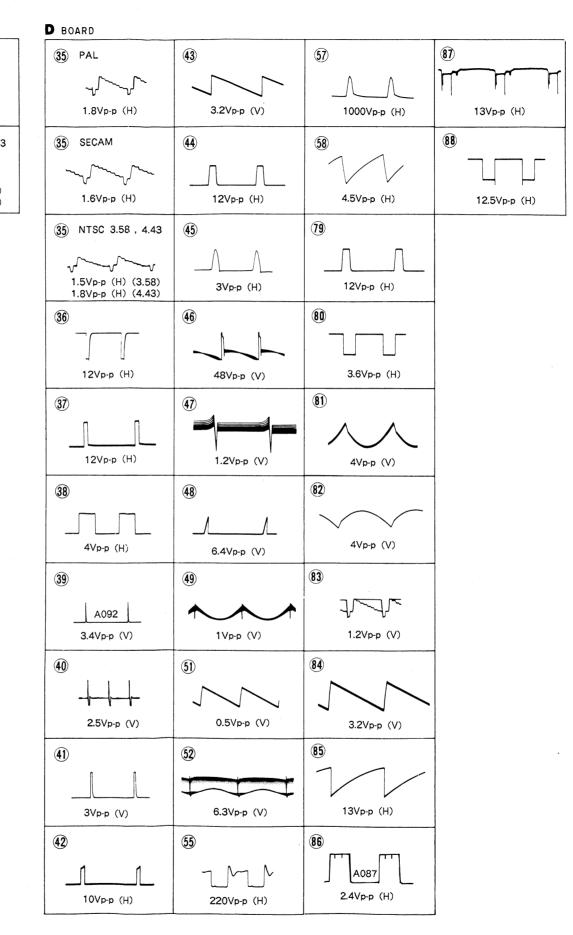
Suppl 1

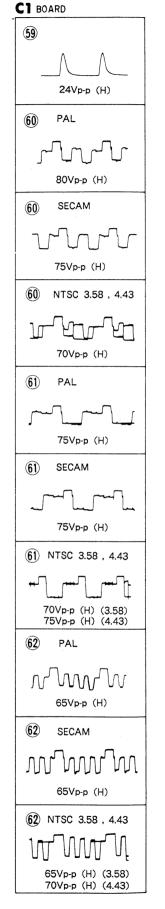
5-8. WEVEFORMS

B BOARD				•		.					
1 PAL	_	4 SECAM	(7) SECAM	(10) NTSC 3.58 , 4.43	(14) PAL	PAL , SECAM NTSC 3.58 , 4.43	30 SECAM	65 PAL	(8) NTSC 3.58 , 4.43	73) PAL	(75) NTSC 4.43
			المسساليسيلي	Manda	سالميمالي			[-~~~~~		والمعطام المعادية المعادية
1Vp	n-p (H)	1.2Vp-p (H)	0.9Vp-p (H)	0.9Vp-p (H) (3.58) 0.9Vp-p (H) (4.43)	4.4Vp-p (H)		0.3Vp-p (H)	0.2Vp-p (H)	0.9Vp-p (H) (3.58) 0.9Vp-p (H) (4.43)	3.4Vp-p (H)	2.8Vp-p (H)
1 SECA	M	4 NTSC 3.58 , 4.43	7 NTSC 3.58 , 4.43	1) PAL	(4) SECAM		30 NTSC 3.58 , 4.43	65 SECAM	69 PAL	73 SECAM	76 PAL 78
0.9Vp	p-p (H)	0.8Vp-p (H) (3.58) 1.3Vp-p (H) (4.43)	المسوليس ال	1.4Vp-p (H)	4.4Vp-p (H)	9.5Vp-p (H) (PAL) 9.5Vp-p (H) (SECAM) 9.5Vp-p (H) (3.58) 9.5Vp-p (H) (4.43)	0.36Vp-p (H) (3.58) 0.3Vp-p (H) (4.43)	0.2Vp-p (H)	0.7Vp-p (H)	2.8Vp-p (H)	2.8Vp-p (H)
1 NTSC	3.58 , 4.43	5 PAL	8 PAL	(1) SECAM	14 NTSC 3.58 , 4.43	20 PAL , SECAM NTSC 3.58 , 4.43		65 NTSC 3.58 , 4.43	69 SECAM	73 NTSC 3.58 , 4.43	76 SECAM
۳ ا	p-p (H)	3Vp-p (H)	0.34Vp-p (H)	1.6Vp-p (H)	4.4Vp-p (H) (3.58) 4.4Vp-p (H) (4.43)	NTSC 3.58 , 4.43	2.6Vp-p (H)	0.3Vp-p (H) (3.58)	971	3Vp-p (H)	2.4Vp-p (H)
2 PAL		(5) SECAM	8 SECAM	(1) NTSC 3.58 , 4.43	4.4Vp-p (H) (4.43)	_ L L_	(54) PAL, SECAM	0.3Vp-p (H) (4.43)	(69) NTSC 3.58 , 4.43	74) PAL	76 NTSC 3.58
		المراسعين المستعماران		BA-VI BABA-VI BA		6.8Vp-p (H) (PAL) 0.1Vp-p (H) (SECAM) 6.8Vp-p (H) (3.58) 6.8Vp-p (H) (4.43)	NTSC 3.58 , 4.43		**************************************	Park Control	
	p-p (H)	2.8Vp-p (H)	0.02Vp-p (H)	0.9Vp-p (H)	3.2Vp-p (H)		1	2.5Vp-p (H)	0.6Vp-p (H) (3.58) 0.6Vp-p (H) (4.43)	3.4Vp-p (H)	2.6Vp-p (H)
② SECA	h- min	5 NTSC 3.58	8 NTSC 3.58 , 4.43	12 PAL	(16) PAL, NTSC 3.58 , 4.43	28 PAL, SECAM NTSC3.58, 4.43	0.5Vp-p (4.43MHz) (PAL) 0.55Vp-p	(66) NTSC 3.58 , 4.43	70 PAL	74 SECAM	(76) NTSC 4.43
0.86Vp	, J	2.8Vp-p (H)	0.32Vp-p (H) (3.58) 0.32Vp-p (H) (4.43)	4.4Vp-p (H)	1 1 1 		(4.43MHz) (SECAM) 0.5Vp-p (3.58MHz) (3.58) 0.5Vp-p (4.43MHz) (4.43)	0.4Vp-p (H)	0.3Vp-p (H)	2.8Vp-p (H)	2.8Vp-p (H)
2 NTSC	3.58 , 4.43	5 NTSC 4.43	9 PAL	12 SECAM		50V(1) (BAL)	56 PAL , SECAM	67 PAL	70 SECAM	74) NTSC 3.58	(1) PAL
1Vp-p (H 0.9Vp-p (- 1	2.8Vp-p (H)	0.7Vp-p (H)	10 10 10 10 10 10 10 10 10 10 10 10 10 1	8.5Vp-p (H) (PAL) 8.5Vp-p (H) (3.58) 8.5Vp-p (H) (4.43)	5.2Vp-p (H) (PAL) 5.2Vp-p (H) (SECAM) 5.2Vp-p (H) (3.58) 5.2Vp-p (H) (4.43)	NTSC 3.58 , 4.43	0.9Vp-p (H)	0.2Vp-p (H)	2.4Vp-p (H)	2.4Vp-p (H)
3 PAL		6 PAL	9 SECAM	12) NTSC 3.58 , 4.43	16 SECAM	29 PAL	2.3Vp-p (4.43MHz) (PAL)	67 SECAM	70 NTSC 3.58 , 4.43	74) NTSC 4.43	(77) SECAM
1 Vp-1	p (H)	0.5Vp-p (H)	0.5Vp-p (H)	4Vp-p (H) (3.58) 4Vp-p (H) (4.43)	8.5Vp-p (H)	1.7Vp-p (H)	2.3Vp-p (4.43MHz) (PAL) 2.3Vp-p (4.43MHz) (SECAM) 2.3Vp-p (3.58MHz) (3.58) 2.3Vp-p (4.43MHz) (4.43)	0.3Vp-p (H)	0.3Vp-p (H) (3.58) 0.3Vp-p (H) (4.43)	3.2Vp-p (H)	2.4Vp-p (H)
3 SECA	.м	6 SECAM	9 NTSC 3.58 , 4.43	(13) PAL	1 PAL , SECAM	29 SECAM	64 PAL	67) NTSC 3.58 , 4.43	1	75) PAL	(77) NTSC 3.58
0.9Vp	-p (H)	0.36Vp-p (H)	0.7Vp-p (H) (3.58)		NTSC 3.58 , 4.43	2.2Vp-p (H)	0.9Vp-p (H)	0.4Vp-p (H) (3.58)	3.2Vp-p (H)	3Vp-p (H)	2.4Vp-p (H)
(3) NTSC 3		6 NTSC 3.58 , 4.43	0.7Vp-p (H) (4.43)	4.4Vp-p (H) (13) SECAM		29 NTSC 3.58 , 4.43	64 SECAM	0.8Vp-p (H) (4.43)		(75) SECAM	77, NTSC 4.43
0.9Vp-p (H) (3.58)	0.6V _P -p (H) (3.58)	M	4.2Vp-p (H)	5.2Vp-p (H) (PAL) 5.2Vp-p (H) (SECAM) 5.2Vp-p (H) (3.58) 5.2Vp-p (H) (4.43)	1.6V _P -p (H) (3.58)		WMVM	NTSC 3.58 , 4.43	principal interprint	
1 Vp-p (H)) (4.43)	0.6Vp-p (H) (4.43) 7 PAL	(10) SECAM	(13) NTSC 3.58 , 4.43	2)	1.6Vp-p (H) (4.43) (30) PAL	0.9Vp-p (H) 64 NTSC 3.58 , 4.43	0.9Vp-p (H) 68 SECAM	0.38Vp-p	2.8Vp-p (H) (75) NTSC 3.58	2.4Vp-p (H)
		مدالم معمد المس	020/M				المور الماسور	J-VVV-V	(4.43MHz) (PAL) 0.4Vp-p (4.43MHz) (SECAM)	الموسى المراس المراس	78) PAL
1.4Vp-	p (H)	المسمل المسمول (H) (Vp-p	0.7Vp-p (H)	4.4Vp-p (H) (3.58) 4.4Vp-p (H) (4.43)	12Vp-p (H)	0.4Vp-p (H)	0.9Vp-p (H)	1Vp-p (H)	0.4Vp-p (3.58MHz) (3.58) 0.32Vp-p(4.43MHz) (4.43)	2.4Vp-p (H)	2.4Vp-p (H)









SECTION 7 ELECTRICAL PARTS LIST

NOTE:

The components identified by shading and mark 🛆 are critical for safety. Replace only with part number specified.

• ※ : Selected to yield optimum

performance.

- Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.

RESISTORS

- All resistors are in ohmsF: nonflammable

When indicating parts by reference number, please include the board name.

CAPACITORS • MF : μF, PF : μμF COILS

• MMH : mH, UH : μH

Note: In this parts list, the mounting diagram is for a different product. Therefore, an excess of parts is listed.

REF.NO.	. PART NO.	DESCRIPTION	1		REMARK	REF.NO.	PART NO.	DESCRIPTION			REMARK
	*A-1135-334-A	B BOARD, COM				C107	1-102-978-00	CERAMIC	220PF	5%	50 V
	*4-364-755-01					C108 C109 C110 C111 C112	1-123-356-00 1-102-959-00 1-102-961-00 1-101-888-00 1-102-971-00	CERAMIC CERAMIC CERAMIC	10MF 22PF 27PF 68PF 82PF	20% 5% 5% 5% 5%	16V 50V 50V 50V 50V
B1 B2 B3 B4 B5	*1-560-124-00 *1-560-224-00 *1-560-124-00 *1-560-128-00 *1-560-156-00	PLUG, CONNEC PLUG, CONNEC PLUG, CONNEC PLUG, CONNEC PLUG, CONNEC	TOR (2.5MM) TOR (2.5MM) TOR (2.5MM) TOR (2.5MM) TOR (2.5MM				1-102-978-00 1-123-332-00 1-123-356-00 1-123-356-00 1-102-944-00	ELECT ELECT	220PF 47MF 10MF 10MF 7PF	5% 20% 20% 20% 0.5PF	50V 16V 16V 25V 50V
B6 B7 B8	*1-560-290-00 *1-560-124-00 *1-560-124-00	PLUG, CONNEC	TOR (2.5MM TOR (2.5MM) TOR (2.5MM)	PITCH) 4P 4P		C120 C121 C122 C123 C124	1-102-944-00 1-102-944-00 1-102-944-00 1-123-380-00 1-123-356-00	CERAMIC	7PF 7PF 7PF 1MF 10MF	0.5PF 0.5PF 0.5PF 20% 20%	50V 50V 50V 50V 25V
C003 C004	1-123-356-00 1-123-356-00	ACITOR> ELECT ELECT	10MF 10MF 10MF 10MF 10MF	20% 20%	25V 25V	C127 C128 C129	1-101-004-00 1-123-380-00 1-123-356-00	ELECT	0.01MF 1MF 10MF	20% 20%	50V 50V 25V
C005 C006 C007	1-123-356-00 1-123-356-00 1-123-356-00	ELECT ELECT ELECT	10MF 10MF 10MF	20% 20% 20%	25V 25V 25V	C130 C131	1-123-380-00 1-108-638-11	MYLAR	1MF 0.1MF	20% 10%	50 V 100 V
C008 C009 C010 C011	1-123-380-00 1-108-634-11 1-123-356-00 1-123-356-00	ELECT MYLAR ELECT ELECT	1MF 0.047MF 10MF 10MF	20% 10% 20% 20%	50V 100V 25V 25V 25V	C132 C133 C134 C135 C136	1-108-638-11 1-123-332-00 1-102-944-00 1-101-004-00 1-101-880-00	ELECT CERAMIC CERAMIC	0.1MF 47MF 7PF 0.01MF 47PF	10% 0.5PF 5%	100V 16V 50V 50V 50V
C012 C013 C014 C015 C017 C018	1-123-356-00 1-123-356-00 1-123-380-00 1-108-634-11 1-108-634-11 1-123-380-00	ELECT ELECT MYLAR MYLAR	10MF 10MF 1MF 0.047MF 0.047MF 1MF	20% 20% 20% 10% 10% 20%	25V 50V 100V 100V 50V	C137 C138 C139 C140 C141	1-102-959-00 1-101-004-00 1-130-483-00 1-123-381-00 1-161-772-11	CERAMIC MYLAR ELECT	22PF 0.01MF 0.01MF 2.2MF 0.1MF	5% 5% 20% 10%	50V 50V 50V 50V 25V
C019 C020 C021 C022 C023	1-123-356-00 1-123-356-00 1-123-356-00 1-123-356-00 1-123-356-00		10MF 10MF 10MF 10MF 10MF	20% 20% 20% 20% 20% 20%	25V 25V 25V 25V 25V	C142 C143 C144 C145 C146	1-161-772-11 1-101-880-00 1-101-880-00 1-102-934-00 1-102-963-00	CERAMIC CERAMIC CERAMIC	0.1MF 47PF 47PF 1PF 33PF	10% 5% 5% 0.25PF 5%	25V 50V 50V 50V 50V
C024 C025 C026 C027 C034	1-123-356-00 1-123-356-00 1-123-332-00 1-123-356-00 1-108-614-11	ELECT ELECT ELECT ELECT	10MF 10MF 47MF 10MF 0.001MF	20% 20% 20% 20% 10%	25V 25V 25V 25V 25V 100V	C147 C148 C149 C150 C151	1-101-004-00 1-123-356-00 1-101-004-00 1-101-004-00 1-101-004-00	ELECT CERAMIC CERAMIC	0.01MF 10MF 0.01MF 0.01MF 0.01MF	20%	50V 25V 50V 50V 50V
C035 C036 C100 C101 C102	1-108-614-11 1-108-614-11 1-101-361-00 1-123-332-00 1-123-332-00	MYLAR MYLAR CERAMIC ELECT ELECT	0.001MF 0.001MF 150PF 47MF 47MF	10% 10% 5% 20% 20%	100V 100V 50V 16V 25V	C153 C155 C156 C157	1-101-004-00 1-106-375-12 1-102-946-00 1-123-330-00 1-123-380-00	MYLAR CERAMIC ELECT ELECT	9PF 22MF 1MF	10% 0.5PF 20% 20%	50V 100V 50V 25V 50V
C103 C104 C105 C106	1-102-961-00 1-102-973-00 1-123-356-00 1-123-356-00	CERAMIC CERAMIC ELECT ELECT	27PF 100PF 10MF 10MF	5% 5% 20% 20%	50V 50V 16V 25V	C158 C159 C160 C161 C162	1-123-382-00 1-124-270-11 1-102-115-00 1-102-971-00 1-101-361-00	ELECT ELECT CERAMIC CERAMIC CERAMIC	3.3MF 0.47MF 560PF 82PF 150PF	20% 20% 10% 5% 5%	50V 50V 50V 50V 50V



 REF.NO.	PART NO.	DESCRIPTION			REMARK	REF. NO.	PART NO.	DESCRIPTION			REMARK
	1-102-971-00 1-124-277-11 1-101-361-00 1-101-888-00 1-101-006-00	CERAMIC			50V 16V 50V 50V 50V	C239 C244 C245 C246 C247	1-101-004-00 1-101-004-00 1-101-004-00 1-101-004-00 1-101-006-00		0.01MF 0.01MF 0.01MF 0.01MF 0.047MF 0.047MF		50V 50V 50V 50V 50V
C169 C170 C172 C173 C175	1-108-638-11 1-123-380-00 1-101-888-00 1-108-622-11 1-101-361-00	MYLAR ELECT CERAMIC MYLAR CERAMIC	0.1MF 1MF 68PF 0.0047MF 150PF	10% 20% 5% 10% 5%	100V 50V 50V 100V 50V	C248	1-101-006-00 1-101-006-00 1-123-330-00 1-102-824-00 1-102-935-00 1-102-935-00 1-102-935-00	CERAMIC ELECT CERAMIC CERAMIC	0.047MF 22MF 470PF 2PF	20% 5% 0.25PF	25V 50V 50V 50V
C176 C177 C178 C179 C180	1-102-951-00 1-102-963-00 1-123-356-00 1-101-004-00 1-124-360-00	CERAMIC CERAMIC ELECT CERAMIC ELECT	15PF 33PF 10MF 0.01MF 1000MF	5% 5% 20%	50V 50V 25V 50V 16V	C1002 C1003	<010	DE>		0.25PF 0.25PF	50V 50V
C183 C184 C186 C188 C189	1-123-379-00 1-123-379-00 1-124-360-00 1-123-356-00 1-123-356-00	ELECT ELECT ELECT ELECT		20% 20% 20% 20% 20%	50V 50V 16V 25V 25V	D001 D002 D003 D004 D005	8-719-911-19 8-719-911-19 8-719-911-19 8-719-911-19 8-719-911-19	DIODE 188119			
C190 C195 C200 C201	1-123-356-00 1-102-824-00 1-124-463-00 1-124-463-00 1-102-816-00	ELECT CERAMIC ELECT ELECT CERAMIC			25V 50V 50V 50V 50V	D007 D101 D102 D103 D104	8-719-911-19 8-719-911-19 8-719-911-19 8-719-908-06 8-719-911-19	DIODE 188119 DIODE ERA81-	005		
C202 C202A C203 C203A	1-124-463-00 1-102-978-00 1-124-277-11 1-102-978-00	ELECT CERAMIC ELECT CERAMIC		20% 5% 5% 20%	50V 50V 16V 50V	D105 D106 D107 D108 D109	8-719-911-19 8-719-911-19 8-719-911-19 8-719-911-19 8-719-911-19	DIODE 188119 DIODE 188119			
C204 C205 C206 C207 C208	1-101-888-00 1-102-959-00 1-102-816-00 1-101-880-00	CERAMIC CERAMIC CERAMIC	68PF 22PF 120PF 47PF		50V 50V 50V 50V 50V	D112 D113	8-719-911-19 8-719-911-19 8-719-911-19 8-719-911-19 8-719-911-19	DIODE 188119 DIODE 188119			
C211 C212 C213	1-102-980-00 1-108-626-11 1-123-356-00 1-101-004-00	CERAMIC	27000		50V 50V 100V 25V 50V	D115 D116 D117 D118 D119	8-719-911-19 8-719-911-19 8-719-911-19 8-719-911-19 8-719-911-19	DIODE 1SS119 DIODE 1SS119 DIODE 1SS119			
C216 C217 C218	1-130-483-00 1-102-959-00 1-102-824-00 1-123-356-00 1-101-004-00	CERAMIC CERAMIC ELECT CERAMIC	22PF 470PF 10MF 0.01MF	5% 5% 20%	50V 50V 50V 25V 50V	D120 D122 D123 D124 D125	8-719-911-19 8-719-911-19 8-719-911-19 8-719-109-93 8-719-911-19	DIODE 188119 DIODE RD6.2E			
C219 C220 C221 C222 C223 C224	1-123-321-00 1-123-332-00	ELECT MYLAR ELECT ELECT	2200MF 0.1MF 220MF 47MF	20% 20% 10% 20% 20%	25V 16V 100V 16V 16V			AY LINE>			
C224 C225 C226 C227 C228 C229	1-123-369-00 1-123-380-00 1-102-121-00 1-108-812-11 1-123-332-00	ELECT CERAMIC MYLAR ELECT	4.7MF 1MF 0.0022MF 0.047MF 47MF	20% 20% 10% 5% 20%	50V 50V 50V 25V	DL102	1-415-107-31 1-415-188-00 1-415-122-31	DELAY LINE			
C229 C230 C231 C232 C233 C234	1-123-380-00 1-102-121-00 1-123-356-00 1-123-356-00 1-123-379-00	CERAMIC ELECT ELECT ELECT ELECT	1MF 0.0022MF 10MF 10MF 0.47MF	20% 10% 20% 20% 20%	50V 50V 16V 16V 50V	10101 10102 10103	8-759-982-13 8-752-006-12 8-752-006-12 8-759-113-65 8-759-240-24	IC CX20061 IC CX20061			
C234 C235 C236 C237 C238	1-108-626-11 1-123-321-00 1-101-004-00 1-161-379-00 1-123-332-00	MYLAR ELECT CERAMIC CERAMIC ELECT	0.01MF 220MF 0.01MF 0.01MF 47MF	10% 20% 30% 20%	16V 50V 25V 16V	1C201 1C202		IC UPC1241H HEAT SINK: I	C202		



	PART NO.				PART NO.	DESCRIPTION				REM
			INPUT/OUTPUT(A)		8-729-119-78 8-729-119-78 8-729-115-30 8-729-115-30	TRANSISTOR 2 TRANSISTOR 2 TRANSISTOR 2 TRANSISTOR 2	SC2785 I SK105A-3	IIFE 30		
	<c0i< td=""><td>L></td><td></td><td>Q133 Q135</td><td>8-729-119-78 8-729-119-76</td><td>TRANSISTOR 2</td><td>SC2785-F</td><td>HFE</td><td></td><td></td></c0i<>	L>		Q133 Q135	8-729-119-78 8-729-119-76	TRANSISTOR 2	SC2785-F	HFE		
L101 L102 L103 L104	1-408-412-00 1-408-412-00 1-408-411-00 1-408-414-00	INDUCTOR INDUCTOR INDUCTOR INDUCTOR INDUCTOR	18UH 18UH 15UH 27UH 27UH 10UH 22UH 39UH 18UH 5.6UH 8.2UH 88.2UH 68UH 3.3UH 33MMH 5.6MMH 27UH	Q135 Q136 Q137 Q138	8-729-119-76 8-729-119-76 8-729-119-76	TRANSISTOR 2 TRANSISTOR 2 TRANSISTOR 2	SA1175-H SA1175-H SA1175-H	HFE HFE HFE		
L105 L106	1-408-414-00 1-408-409-00	INDUCTOR INDUCTOR	27UH 10UH	Q139 Q140 Q141	8-729-119-78 8-729-119-76 8-729-119-76	TRANSISTOR 2	SA1175-H	HFE		
L107 L108 L110	1-408-413-00 1-408-416-00 1-408-412-00	INDUCTOR INDUCTOR INDUCTOR	22UH 39UH 18UH	Q142 Q143	8-729-119-76 8-729-119-76	TRANSISTOR 2	SA1175-H	łFE		
L111 L112	1-408-406-00	INDUCTOR	5.6UH 8.2UH	Q144 Q145 Q148	8-729-119-78 8-729-119-78 8-729-119-78	TRANSISTOR 2	SC2785-H SC2785-H	IFE IFE		
L113 L114 L115	1-408-226-00 1-408-419-00 1-408-403-00	INDUCTOR INDUCTOR INDUCTOR	82UH 68UH 3 3UH	Q149 Q150	8-729-119-76 8-729-119-76	TRANSISTOR 2 TRANSISTOR 2	SA1175-H SA1175-H	HFE HFE		
L201	1-408-247-00	INDUCTOR	33MMH	Q151 Q152 Q153 Q154	8-729-119-78 8-729-119-78 8-729-119-78 8-729-119-78	TRANSISTOR 2 TRANSISTOR 2 TRANSISTOR 2	SC2785-H SC2785-H	HFE HFE		
L202 L203	1-408-414-00	INDUCTOR	27UH	Q154 Q155	8-729-119-78 8-729-119-78	TRANSISTOR 2 TRANSISTOR 2 TRANSISTOR 2	SC2785-H SC2785-H	IFE IFE		
	<tra< td=""><td>NSISTOR></td><td></td><td>Q159</td><td>8-729-119-76</td><td>TRANSISTOR 2</td><td>SA1175-H</td><td>IFE</td><td></td><td></td></tra<>	NSISTOR>		Q159	8-729-119-76	TRANSISTOR 2	SA1175-H	IFE		
Q001 Q002 Q003	8-729-119-78 8-729-119-76	TRANSISTOR 2SC2 TRANSISTOR 2SA1 TRANSISTOR 2SA1	2785-HFE 175-HFE 175-HFE			ISTOR>				
Q004 Q005	8-729-119-76	TRANSISTOR 25A1 TRANSISTOR 2SC2	175-HFE 175-HFE 1785-HFE	R002 R003	1-247-713-11 1-249-434-11 1-249-424-11 1-249-421-11 1-249-439-11	CARBON CARBON CARBON	1 K 27 K	5% 5%	1/4W 1/4W 1/4W	
0006 0007	8-729-119-76	TRANSISTOR 2SA1	175-HFE 175-HFE	R005 R006	1-249-421-11 1-249-439-11	CARBON CARBON	2.2K 68K	5% 5%	1/4W 1/4W	
0008 0009 0010	8-729-119-76	TRANSISTOR 2SC2 TRANSISTOR 2SA1 TRANSISTOR 2SC2	175-HFE	R007 R009	1-249-433-11 1-247-850-11 1-247-850-11	CARBON	22K 6.2K 6.2K	5% 5% 5% 5%	1/4W 1/4W	
0011 0012	8-729-119-78 8-729-119-76	TRANSISTOR 2SC2 TRANSISTOR 2SC2 TRANSISTOR 2SC2	785-HFE 175-HFE	R011 R012	1-247-850-11 1-247-850-11 1-249-437-11	CARBON	6.2K 47K	5% 5%	1/4W 1/4W 1/4W	
0101 0102 0103	8-729-119-78	TRANSISTUR 25C2 TRANSISTOR 2SC2 TRANSISTOR 2SC2	7785-HFE 2785-HFE 2785-HFE	R013 R014	1-249-440-11 1-247-885-00	CARBON CARBON	82K 180K	5% 5%	1/4W 1/4W	
Q104 Q105	8-729-119-78 8-729-119-78	TRANSISTOR 2SC2 TRANSISTOR 2SC2	2785-HFE 2785-HFE	R016 R017	1-249-438-11 1-249-417-11 1-247-104-00	CARBON CARBON	82K 180K 56K 1K 75	5% 5% 5%	1/4W 1/4W 1/4W	
Q106 Q107 Q108	8-729-119-78 8-729-119-78 8-729-119-78	TRANSISTOR 2SC2 TRANSISTOR 2SC2 TRANSISTOR 2SC2	2785-HFE	R020	1-247-104-00 1-249-434-11	CARBON CARBON	75 27K		1/4W 1/4W	
Q109 Q110	8-729-119-76 8-729-119-78	TRANSISTOR 2SA1 TRANSISTOR 2SC2	2785-HFE	R021 R022 R023	1-249-424-11 1-249-433-11 1-249-439-11	CARBON CARBON CARBON	3.9K 22K 68K	5% 5% 5% 5%	1/4W 1/4W 1/4W	
Q111 Q114 Q116	8-729-119-78 8-729-313-42 8-729-119-76	TRANSISTOR 2SC2 TRANSISTOR 2SD1 TRANSISTOR 2SA1	134	R024 R025	1-247-850-11 1-249-437-11	CARBON CARBON	6.2K 47K	5% 5%	1/4W 1/4W	
0117 0118	8-729-119-78 8-729-119-78	TRANSISTOR 2SC2 TRANSISTOR 2SC2	2785-HFE 2785-HFE	R026 R027 R028	1-249-466-11 1-249-440-11 1-247-885-00	CARBON CARBON CARBON	56K 82K 180K	5% 5% 5% 5%	1/4W 1/4W 1/4W	
Q120 Q121 Q122	8-729-119-78 8-729-119-76 8-729-119-78	TRANSISTOR 2SC2 TRANSISTOR 2SA1 TRANSISTOR 2SC2	2785-HFE 175-HFE	R029 R030	1-249-429-11 1-247-885-00	CARBON CARBON	10K 180K	5% 5%	1/4W 1/4W	
Q123 Q124	8-729-119-78 8-729-115-30	TRANSISTOR 2SC2 TRANSISTOR 2SK1	2785-HFE	R031 R032 R033	1-249-440-11 1-249-437-11 1-249-433-11	CARBON CARBON CARBON	82K 47K 22K	5% 5% 5% 5%	1/4W 1/4W 1/4W	
Q125 Q126 Q127	8-729-119-78 8-729-115-30 8-729-115-30	TRANSISTOR 2SC2 TRANSISTOR 2SK1 TRANSISTOR 2SK1	2785-HFE 105A-30	R034 R035	1-249-439-11 1-249-417-11	CARBON CARBON	68K 1K	5% 5%	1/4W 1/4W	
Q128	8-729-115-30	TRANSISTOR 25K1		R036 R037 R038	1-247-104-00 1-249-434-11 1-249-424-11	CARBON CARBON CARBON	75 27K 3.9K	5% 5% 5% 5% 5%	1/4W 1/4W 1/4W	
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REF.NO. PART NO.	DESCRIPTION			REMARK	REF.NO.	PART NO.	DESCRIPTION				REMARK
R040 1-249-43 R041 1-247-10 R042 1-249-43 R043 1-247-87	78-00 CARBON		5% 1/4W 5% 1/4W 5% 1/4W 5% 1/4W 5% 1/4W		R150 R151 R152 R153 R154	1-249-416-11 1-249-413-11 1-249-416-11 1-249-423-11 1-249-423-11	CARBON CARBON CARBON CARBON	820 470 820 3.3K 22K	5% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W 1/4W	
R046 1-249-42 R049 1-249-43 R051 1-249-42 R052 1-249-40	29-11 CARBON 28-11 CARBON 38-11 CARBON 21-11 CARBON 05-11 CARBON		5% 1/4W 5% 1/4W 5% 1/4W 5% 1/4W 5% 1/4W		R155 R156 R157 R158 R159 R160	1-249-429-11 1-249-435-11 1-249-435-11 1-249-439-11 1-249-415-11 1-249-436-11	CARBON CARBON CARBON CARBON	33K 33K 68K 680 39K	5% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W 1/4W 1/4W	
R054 1-249-43 R055 1-249-44 R056 1-247-15 R061 1-247-74		47K 47K 82K 6.2K 270			R161 R162	1-249-429-11 1-249-437-11 1-247-903-00 1-249-419-11 1-249-435-11	CARBON CARBON CARBON CARBON	10K 47K 1M 1.5K 33K	5% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W 1/4W	
R063 1-249-39 R066 1-249-42 R068 1-249-44 R100 1-249-42		1.2K 22 10K 68 8.2K	5% 1/4W 5% 1/4W 5% 1/4W 5% 1/4W 5% 1/4W		R170 R171	1-249-431-11 1-249-441-11 1-249-425-11 1-247-887-00 1-249-441-11	CARBON CARBON CARBON CARBON	15K 100K 4.7K 220K 100K	5%	1/4W 1/4W 1/4W 1/4W 1/4W	
R102 1-249-40 R103 1-249-41 R104 1-249-41 R105 1-249-41		39K 220 1.2K 330 680	5% 1/4W 5% 1/4W 5% 1/4W 5% 1/4W 5% 1/4W		D. 70	1-247-883-00 1-249-439-11 1-249-417-11 1-249-429-11 1-249-437-11	CARBON CARBON CARBON CARBON	150K 68K 1K 10K 47K		1/4W 1/4W 1/4W 1/4W 1/4W	
R107 1-249-42 R108 1-249-42 R109 1-249-41 R110 1-249-41		3.3K 5.6K 10K 470 470			R183 R184 R185 R186 R187	1-249-423-11 1-249-418-11 1-249-440-11 1-249-413-11 1-249-434-11	CARBON CARBON CARBON CARBON	3.3K 1.2K 82K 470 27K	5%	1/4W 1/4W 1/4W 1/4W 1/4W	
R112 1-249-4 R113 1-249-4 R114 1-249-4 R115 1-249-4	15-11 CARBON 10-11 CARBON 15-11 CARBON 19-11 CARBON				R188 R189	1-249-435-11 1-249-439-11 1-249-435-11 1-249-437-11 1-249-421-11	CARBON CARBON CARBON CARBON	33K 68K 33K 47K 2.2K	5% 5% 5%	1/4W 1/4W 1/4W 1/4W 1/4W	
R117 1-249-41 R118 1-249-41 R119 1-249-40 R120 1-249-41	15-11 CARBON 15-11 CARBON 05-11 CARBON 15-11 CARBON		5% 1/4W 5% 1/4W 5% 1/4W 5% 1/4W		R193 R194 R195	1-249-424-11 1-249-431-11 1-249-421-11 1-249-434-11 1-249-415-11	CARBON CARBON CARBON CARBON	3.9K 15K 2.2K 27K 680	5% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W 1/4W	
R122 1-249-40 R123 1-249-41 R124 1-249-41 R125 1-249-40	13-11 CARBON	680 100 1K 470 1K	5% 1/4W 5% 1/4W 5% 1/4W 5% 1/4W 5% 1/4W		R198 R199 R200 R201 R201A	1-249-415-11 1-249-417-11 1-249-433-11 1-247-903-00 1-247-704-11	CARBON CARBON CARBON CARBON CARBON	680 1K 22K 1M 220		1/4W 1/4W 1/4W 1/4W 1/4W	
R127 1-249-4: R128 1-247-8: R129 1-249-4: R130 1-249-4:	14-11 CARBON 19-11 CARBON 15-11 CARBON	680 200 1.5K 680	5% 1/4W 5% 1/4W 5% 1/4W 5% 1/4W		R202 R203 R204 R205 R206	1-247-903-00 1-249-429-11 1-249-429-11 1-249-429-11 1-249-439-11	CARBON CARBON CARBON CARBON CARBON	1M 10K 10K 10K 68K	5% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W 1/4W	
R132	20-11 CARBON 01-11 CARBON 16-11 CARBON 21-11 CARBON	1.8K 47 240 2.2K 18K	5% 1/4W 5% 1/4W 5% 1/4W		R207 R208 R209 R210 R211	1-249-409-11 1-249-429-11 1-249-435-11 1-249-409-11 1-249-409-11		220 10K 33K 220 220	5% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W 1/4W	
R138 1-249-42 R140 1-249-42 R141 1-249-42 R143 1-249-40 R146 1-249-40	23-11 CARBON 33-11 CARBON 33-11 CARBON 05-11 CARBON	3.3K 22K 22K 100	5% 1/4W 5% 1/4W 5% 1/4W 5% 1/4W		R212 R213 R214 R215 R216	1-249-424-11 1-249-409-11 1-249-409-11 1-249-425-11 1-249-441-11	CARBON CARBON CARBON CARBON CARBON	3.9K 220 220 4.7K 100K	5% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W 1/4W	
R147 1-249-4 R148 1-249-4 R149 1-249-4	19-11 CARBON 19-11 CARBON	1.5K 1.5K 22K	5% 1/4W 5% 1/4W 5% 1/4W 5% 1/4W		R217 R218	1-249-441-11 1-249-429-11	CARBON CARBON	100K 10K	5% 5%	1/4W 1/4W	



REF.NO. PA	ART NO.	DESCRIPTION				REMARK	REF.NO.	PART NO.	DESCRIPTION				REMARK
R220 1- R221 1- R222 1-	-247-868-11 -249-439-11	CARBON CARBON CARBON CARBON CARBON		5% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W		R286 R287 R288	1-249-423-11 1-247-903-00 1-249-441-11	CARBON CARBON	3.3K 1M 100K 10K 10K	5%	1/4W 1/4W 1/4W 1/4W 1/4W	
R225 1- R226 1- R228 1- R230 1-	-249-441-11 -247-878-00 -249-419-11 -249-425-11	CARBON CARBON CARBON CARBON CARBON	330K 100K 91K 1.5K 4.7K	5% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W 1/4W		R290 R291 R292 R293 R294 R295 R296 R297 R298 R299 R301 R302 R303	1-249-447-11 1-249-422-11 1-249-405-11 1-249-429-11 1-249-469-11	CARBON CARBON CARBON CARBON CARBON CARBON	1 2.7K 100 10K 100K	5% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W 1/4W	
R232 1- R233 1- R234 1- R235 1-	-249-412-11 -249-409-11 -249-409-11 -249-413-11	CARBON CARBON CARBON CARBON CARBON CARBON	56K 390 220 220 470	5% 5% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W 1/4W		R297 R298 R299 R301 R302	1-249-437-11 1-249-437-11 1-249-413-11 1-249-696-11 1-249-437-11 1-249-415-11	CARBON CARBON CARBON	47K 47K 470 47 47K 680	5 % % % % % % % % % % % % % % % % % % %	1/4W 1/4W 1/4W 1/4W 1/4W 1/4W	F
R237 1- R238 1- R239 1- R240 1-	-249-405-11 -249-409-11 -249-435-11 -249-440-11 -249-422-11	CARBON CARBON CARBON CARBON CARBON	100 220 33K 82K 2.7K	5% 5% 5%	1/4W 1/4W 1/4W		R304 R305 R306	1-249-415-11 1-249-415-11 1-247-883-00 1-249-411-11 1-249-434-11	CARBON CARBON CARBON CARBON	680	555555555	1/4W 1/4W 1/4W 1/4W 1/4W	
R242 1- R243 1- R244 1- R245 1-	-249-433-11 -247-854-11 -249-430-11 -249-423-11 -249-426-11	CARBON CARBON CARBON CARBON CARBON	22K 9.1K 12K 3.3K 5.6K	5% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W		R309 R310 R311 R312	1-249-409-11 1-249-423-11 1-247-872-11 1-249-421-11 1-249-425-11	CARBON CARBON CARBON CARBON	220 3.3K	555555555555555555555555555555555555555	1/4W 1/4W 1/4W 1/4W 1/4W	
R247 1- R248 1- R249 1- R250 1-	-249-431-11 -249-421-11 -249-437-11 -247-885-00	CARBON CARBON CARBON CARBON	15K 2.2K 47K 180K	5% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W		R314 R315 R316 R317 R318	1-249-435-11 1-249-419-11 1-249-419-11 1-247-711-11 1-249-407-11	CARBON CARBON CARBON CARBON		555%	1/4W 1/4W 1/4W 1/4W 1/4W	
R252 1- R253 1- R254 1- R255 1-	-249-428-11	CARBON	5.6K 8.2K 3.3K 10K 1K 8.2K	5% 5%	1/4W 1/4W 1/4W 1/4W 1/4W		t	1-249-413-11 1-249-427-11 1-247-711-11 1-249-429-11 1-249-424-11	CARBON CARBON CARBON CARBON	470 6.8K 680 10K	5% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W 1/4W	
R258 1- R259 1- R260 1- R261 1-	-249-421-11	CARBON CARBON CARBON CARBON	2.2K 8.2K 68K 10K	5% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W		R328 R329 R332 R348	1-249-420-11 1-249-424-11 1-249-438-11 1-249-430-11 1-249-429-11	CARBON CARBON CARBON CARBON		5% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W 1/4W	
R263 1- R264 1- R265 1-	-249-441-11 -249-429-11 -249-439-11 -249-429-11	CARBON	100K 10K 68K 10K 10K	5% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W		1047		TABLE RESISTOR) (1/ 14	
R267 1- R268 1- R269 1- R270 1-	-249-439-11 -249-439-11 -249-429-11 -249-415-11 -249-469-11	CARBON CARBON CARBON CARBON CARBON	68K 68K 10K 680 100K	5% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W 1/4W		RV101 RV103 RV104 RV105 RV106	1-228-718-00 1-228-722-00 1-228-725-00 1-228-725-00 1-228-722-00	RES, ADJ, CAI RES, ADJ, CAI RES, ADJ, CAI RES, ADJ, CAI	RBON 3.3 RBON 221 RBON 221 RBON 3.3	BK ((BK		
R272 1- R273 1- R274 1- R275 1-	-249-467-11 -202-463-00 -249-465-11 -249-429-11 -249-431-11	CARBON SOLID CARBON CARBON CARBON	68K 2.2M 47K 10K 15K	5% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W 1/4W		RV107 RV108 RV109 RV110 RV111	1-228-724-00 1-228-723-00 1-228-723-00 1-228-719-00 1-228-727-00	RES, ADJ, CAI RES, ADJ, CAI RES, ADJ, CAI RES, ADJ, CAI	RBON 4.7 RBON 4.7 RBON 470	7 K 7 K)		
R278 1- R279 1- R280 1-	-249-416-11 -249-421-11 -247-726-11 -249-437-11 -249-431-11	CARBON CARBON CARBON CARBON CARBON	820 2.2K 33K 47K 15K	5% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W 1/4W		\$1 \$2 \$3	1-553-725-00 1-553-725-00	TCH> SWITCH, SLID SWITCH, SLID SWITCH, SLID	E			
R283 1- R284 1-	-249-421-11 -249-425-11 -249-428-11 -249-423-11	CARBON CARBON CARBON CARBON	2.2K 4.7K 8.2K 3.3K	5% 5% 5% 5%	1/8W 1/4W 1/4W 1/4W	F	T101		NSFORMER> COIL (VARIAB	LE)			



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REF. NO	. PART NO.	DESCRIPTION			REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
T102 T103 T104 T201 T202	1-409-193-00 1-409-193-00 1-404-081-00 1-404-146-00 1-408-532-00	COIL 3.58MHZ COIL 3.58MHZ TRANSFOMER, TRANSFORMER COIL, VARIAB	TRAP TRAP DELAY ADJUST LE			C648 A C649 A C650 A	1-124-494-00 A 1-161-742-12 A 1-161-742-12 A 1-130-712-11	CERAMIC 0.0022MF 20% CERAMIC 0.0022MF 20% FILM 0.47MF 20%	400V 250V
T203 T204	1-408-532-00 1-408-513-00	COIL, VARIAB COIL (VARIAB	LE LE)			C656 C657 C658	1-101-004-00 1-101-004-00 1-108-700-11	CERAMIC 0.01MF CERAMIC 0.01MF MYLAR 0.047MF 10%	50V 50V 200V
	<the< td=""><td>RMISTOR></td><td></td><td></td><td></td><td>C659 C660</td><td>1-102-820-00 1-101-004-00</td><td>CERAMIC 330PF 5% CERAMIC 0.01MF</td><td>50V 50V</td></the<>	RMISTOR>				C659 C660	1-102-820-00 1-101-004-00	CERAMIC 330PF 5% CERAMIC 0.01MF	50 V 50 V
TH101 TH201	1-800-070-99 1-800-069-99	THERMISTOR T THERMISTOR	H-4700			! !	∆ 1-162-578-12 ∆ 1-162-578-12	CERAMIC 0.0047MF 20% CERAMIC 0.0047MF 20%	400 V 400 V
	<cry< td=""><td>STAL></td><td></td><td></td><td></td><td></td><td><010</td><td>DE></td><td></td></cry<>	STAL>					<010	DE>	
X101 X102	1-567-505-11 1-567-504-11	OSCILLATOR, OSCILLATOR,	CRYSTAL CRYSTAL			D601 D602	8-719-110-49	DIODE S3WB60Z DIODE RD18ES-B2	
****	***********	*******	********	******	*******	D603 D604 D605	8-719-911-55 8-719-901-58 8-719-901-58	DIODE UOSG DIODE RGP15J DIODE RGP15J	
	*A-1245-298-A	F BOARD, COM				D606 D607	8-719-200-02	DIODE 10E2 DIODE RH-1A	
#2 K O*		ACITOR>	College - March a president of one or in least	ingin p art graf	ena <u>a adalek</u> a inteksor	D608 D609 D610	8-719-300-76 8-719-109-93 8-719-901-83 8-719-110-57	DIODE RD6.2ES-B2 DIODE SD6.2ES-B2 DIODE SD6.2ES-B2 DIODE RD22ES-B2	
C601 C602	▲. 1-130-712-11 *4-316-137-00 ▲. 1-130-711-11 ▲. 1-108-777-62 ▲. 1-161-973-12	COVER, CAPAC FILM MYLAR	ITOR; C600 0.22MF 0.022MF	20% 20%	250V 300V 400V	D611 D612 D613 D614 D615	8-719-971-20	DIODE ERD29-08J	
C605 C606 C607	A. 1-161-973-12 A. 1-162-578-12 A. 1-162-578-12 A. 1-161-738-12 A. 1-161-738-12	CERAMIC CERAMIC CERAMIC	220PF 0.0047MF 0:0047MF 0.0047MF 0.0047MF	107 207 207 207 207	400V 400V 400V 400V 400V 400V	D616	8-719-981-00	DIODE ERC81-004 NECTOR>	
C609	ለ. 1-161-738-12	CERAMIC	0.0047MF	20%	400V a		* 1-506-348-99	PIN, CONNECTOR 3P	
C610 C611 C612	A. 1-161-738-12 4-875-455-01 1-125-380-11 1-123-335-00	CERAMIC COVER (DIA. ELECT(BLOCK) ELECT	20), CAPACITO	20% DR; C610 20%	400V 400V 25V	F3 F4	*1-508-765-00 *1-560-290-00	PIN, CONNECTOR 3P PIN, CONNECTOR (5MM PITCH) 3P PLUG, CONNECTOR (2.5MM PITCH) PLUG, CONNECTOR (2.5MM PITCH)	
C613 C614 C615	1-124-557-11 1-123-356-00	FILM ELECT ELECT	0.0027MF 1000MF 10MF	20% 20%	2KV 25V 16V	F8		PLUG, CONNECTOR (2.5MM) 3P	
C616 C617	1-123-381-00 1-102-125-00	ELECT CERAMIC	2.2MF 0.0047MF	20% 10%	50V 50V	tron a	<fus< td=""><td>E> FUSE, TIME-LAG 54/250V</td><td>erner et dinagone</td></fus<>	E> FUSE, TIME-LAG 54/250V	erner et dinagone
C619 C621 C622 C623	1-106-351-00 1-123-356-00 1-101-006-00 1-102-820-00	MYLAR ELECT CERAMIC CERAMIC	0.0022MF 10MF 0.047MF 330PF	10% 20% 5%	100V 16V 50V 50V	roul A		HOLDER, FUSE; F601	
C624	1-123-381-00	ELECT	2.2MF	20%	50V	10601	8-759-100-75	1C UPC1394C	
C625 C626 C627	1-123-380-00 1-162-115-00 1-124-494-00	ELECT CERAMIC ELECT	1MF 330PF 33MF	20% 10%	50 V 1KV 160V		<c011< td=""><td>.></td><td></td></c011<>	.>	
C627 C628 C629	1-124-494-00 1-123-360-00	ELECT ELECT	33MF 100MF	20%	160V 50V	L601	1-408-225-00	INDUCTOR 3.3UH	
C630 C631 C632 C635	1-126-104-11 1-126-104-11 1-126-103-11 1-102-123-00	ELECT ELECT ELECT CERAMIC	470MF 470MF 470MF 0.0033MF	20% 10%	25V 25V 16V 50V	L602 L603 L609 L610	1-407-365-00 1-408-111-00 1-459-155-00 1-459-155-00	COIL, CHOKE (HIGH FREQUENCY) INDUCTOR 3.3UH COIL (WITH CORE) 45UH COIL (WITH CORE) 45UH	
C640	∆. 1-161-973-12 [©]	CERANIC	220PF	10%	400V	L612 L613	1-459-155-00 1-408-111-00	COIL (WITH CORE) 45UH INDUCTOR 3.3UH	
C643 C644	*4-374-846-11 1-123-333-00 1-123-334-00	COVER, CAPAC ELECT ELECT	100MF 220MF	20% 20%	16V 25V		<tra< td=""><td>NSISTOR></td><td></td></tra<>	NSISTOR>	
C645 C646	1-123-334-00 1-123-359-00	ELECT ELECT	220MF 47MF	20%	25V 50V	Q601		TRANSISTOR 2SD841	

The components identified by shading and mark \triangle are critical for safety.

Replace only with part number specified.

• * : Selected to yield optimum performance.



REF. NO	. PART NO.	DESCRIPTION				REMARK	REF. NO.	PART NO.	DESCRIPTION	<u> </u>	J <u> </u>	REMARK
Q602 Q603 Q604 Q605	*4-347-706-00	TRANSISTOR 2S); Q60; D774-3; D774-3;	4			RV601	1-224-249-99				
Q 606	8-729-140-96	SPACER, MICA: HOLDER (REG OF TRANSISTOR 2S	UT), TI		RMER;	Q605	1 T602 A	<pre><tra .="" 1-421-352-11="" 1-421-678-11<="" 1-421-691-11="" pre=""></tra></pre>	TRANSFORMER.	FERRITE		
R601			470K	10%	1/2W			<the< td=""><td>RMISTOR></td><td></td><td></td><td></td></the<>	RMISTOR>			
R602 R603 R604 R605	▲ 1-202-846-11 ▲ 1-247-289-11 1-214-921-00 1-215-896-00 1-247-753-11	CARBUN	8.2M 220K 4.7K 1.2K	5% 5% 5% 5% 5%	1W 1/2W 2W 1/2W	F	TH601 THP601 THP602	▲ 1-800-820-12 ▲ 1-800-665-11 2 1-806-449-11	THERMISTOR,	POWER (POSITIVE)		
R606 R607	1-215-884-11 ∆. 1-247-805-31	METAL OXIDE CARBON	47 82	5% 5%	2W 1/4W	F	*****	**********	********	********	******	********
R608 R609A	1-207-905-00 1-215-918-00	WIREWOUND METAL OXIDE	0.27 1.5K	10% 5%	2W 3W	F		*1-613-847-11	F2 BOARD			
R609B		METAL OXIDE	1.8K	5%	3₩	F	 	*1-564-315-00	PIN ASSY, BO	ARD TO BOARD	7P	
R610A R610B	1-216-482-11	METAL OXIDE	1.5K 1.8K 1.5K	5% 5%	3W 3W 1W	F F		∠CAD	ACT TODS			
R611 R612 R613	1-215-870-11 1-247-870-11 1-249-411-11	METAL OXIDE CARBON CARBON	43K 330	5% 5% 5% 5%	1/4W 1/4W	r	C655	1-123-381-00	ACITOR>	2.2MF	20%	50 V
R614	1-215-437-00	METAL			1/6W			1 125 501 00		2.2111	20%	501
R615 R616	1-215-437-00	METAL CARBON	4.7K 3.3K	1% 1% 5%	1/6W 1/4W			<010	DE>			
R618 R619	1-247-881-00 1-247-895-00	CARBON CARBON	120K 470K	5% 5% 5%	1/4W 1/4W		D617 D620	8-729-101-31 8-719-110-17				
R620	1-249-434-11	CARBON			1/4W			, mn	NG LCTOD.			
R621 R622	1-249-429-11 1-215-440-00	CARBON METAL	27K 10K 6.2K 30K 10K	5% 1%	1/4W 1/6W		0(00		NSISTOR>	CC270E HEE		
R624 R625	1-215-456-00 1-249-429-11	METAL CARBON	10K	5%	1/6W 1/4W		Q609	8-729-119-78	IKANSISIUK 2	5U2/87-HFE		
R626 R627	1-249-405-11 1-249-437-11	CARBON CARBON	100 47K	5% 5%	1/4W 1/4W			<res< td=""><td>ISTOR></td><td></td><td></td><td></td></res<>	ISTOR>			
R628 R629	1-249-417-11 1-249-416-11		1K 820	5% 5% 5% 5%	1/4W 1/4W		R655 R656	1-215-904-11 1-247-725-11	METAL OXIDE CARBON	100K 5% 10K 5%	2W 1/4W	F
R630	1-249-409-11	CARBON	220		1/4W		R657 R658	1-249-405-11	CARBON CARBON	100 5% 150K 5%	1/4W 1/4W	
R631 R632	1-215-902-11 1-249-405-11	CARBON	47K 100	5% 5%	1W 1/8W	F F	*****	******	******	******	*****	*****
* R640 * R640 * R640	1-215-456-00 1-215-457-00 1-215-458-00	METAL METAL	30K 33K 36K	1% 1%	1/6W 1/6W 1/6W			*A-1275-057-A	********	****		·
★ R640 ★ R640	1-215-459-00 1-215-460-00	METAL METAL	39K 43K	1% 1% 1%	1/6W 1/6W			1-536-843-11 4-603-275-00		RD, INPUT/OUT	'PUT (B)	
* R640 * R640	1-215-461-00 1-215-462-00	METAL METAL	47K 51K	17 17 17	1/6W 1/6W			∠CAD.	ACITODS			
* R640 R643	1-215-463-00 1-216-341-11	METAL METAL OXIDE	56K 0.22	1% 5%	1/6W 1W	F	C401	1-108-614-11	ACITOR>	0.001MF	10%	100 V
R644 R645	1-217-418-00 1-216-345-11	FUSIBLE METAL OXIDE	0.47 0.47	10%	1/2W 1W	F F	C402 C403	1-123-356-00 1-102-949-00	ELECT CERAMIC	10MF 12PF	20% 5%	25V 50V
R646 R647	1-216-345-11 1-216-341-11	METAL OXIDE METAL OXIDE	0.47 0.22	5% 5% 5%	1W 1W	F F	C405 C407	1-123-380-00 1-123-356-00	ELECT ELECT	IMF IOMF	20% 20%	50V 25V
R648	1-202-841-00	SOLID	180K	10%	1/2W		C408	1-102-949-00	CERAMIC	12PF	5%	50 V
R649 R650	1-247-881-00 1-249-417-11	SOLID CARBON	120K 1K	10% 5%	1/4W 1/4W		C410 C412	1-123-380-00 1-123-356-00	ELECT ELECT	1MF 10MF	20% 20%	50V 25V
R660 R670	1-247-692-11 1-249-409-11	CARBON CARBON	22 220	5% 5% 5%	1/4W 1/4W	۴	C413 C415	1-102-949-00 1-123-380-00	CERAMIC ELECT	12PF 1MF	5% 20%	50 V 50 V
R671	1-249-417-11	CARBON	1 K	5%	1/4W		C417 C419	1-123-332-00 1-108-634-11	ELECT MYLAR	47MF 0.047MF	20% 10%	25V 100V
							C420	1-123-380-00	ELECT	1MF	20%	50V



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<u> </u>								
REF.NO.	PART NO.	DESCRIPTION			REMARK	REF.NO.	PART NO.	DESCRIPTION REMARK
C422 C423 C424 C426 C428	1-123-380-00 1-126-103-11 1-124-657-00	MYLAR ELECT ELECT ELECT ELECT	0.047MF 1MF 470MF 10MF 10MF	10% 20% 20% 20% 20%	100V 50V 16V 50V 50V	D414 D415 D416	8-719-911-19 8-719-911-19 8-719-911-19 8-719-109-93	DIODE 1SS119 DIODE 1SS119 DIODE RD6.2ES-B2
C430 C432 C433 C434	1-124-657-00 1-123-332-00 1-123-356-00 1-102-820-00	ELECT ELECT ELECT CERAMIC	10MF 47MF 10MF 330PF	20% 20% 20% 5% 20%	50V 25V 25V 50V	D419 D420 D422 D423	8-719-911-19 8-719-109-93 8-719-109-75	DIODE RD6.2ES-B2 DIODE RD4.3ES-B2
C435 C436 C437 C438 C441	1-124-657-00 1-123-369-00	ELECT CERAMIC ELECT ELECT CERAMIC	47MF 0.047MF 10MF 4.7MF 0.047MF	20% 20% 20%	25V 50V 50V 25V 50V	D424 D425 D426 D427 D428	8-719-109-93 8-719-109-93 8-719-109-93	D10DE RD6.2ES-B2 D10DE RD6.2ES-B2 D10DE RD6.2ES-B2 D10DE RD6.2ES-B2
C443 C444 C446 C447	1-108-634-11 1-108-626-11 1-123-379-00	MYLAR MYLAR ELECT ELECT ELECT	0.047MF 0.01MF 0.47MF 0.47MF 0.47MF	10% 10% 20% 20% 20%	100V 100V 50V 50V 50V	D435 D436 D437	8-719-911-19 8-719-911-19 8-719-911-19	DIODE 1SS119 DIODE 1SS119
C448 C452	1-123-382-00	ELECT	3.3MF	20%	50V	F400 A		
C453 C455 C457 C459 C461	1-101-006-00 1-102-820-00 1-102-820-00	ELECT CERAMIC CERAMIC CERAMIC CERAMIC	1MF 0.047MF 330PF 330PF 330PF	20% 5% 5% 5%	50V 50V 50V 50V 50V	!	1-533-087-00 1-532-279-11 1-533-087-00	FUSE, TIME-LAG 1A/250V HOLDER, FUSE; F402 FUSE, TIME-LAG 0.5A/250V HOLDER, FUSE; F404
C463 C464 C466 C467 C468	1-123-332-00	ELECT ELECT ELECT CERAMIC CERAMIC	10MF 47MF 47MF 0.047MF 0.047MF	20% 20% 20%	25V 25V 25V 50V 50V	1C402 1C403 1C404	8-759-900-08	1C CX22019 IC SN74LS09N IC SN74LS136N IC SN74LS08N
C469 C489 C490 C491 C492	1-123-332-00	MYLAR ELECT ELECT ELECT ELECT	0.01MF 47MF 47MF 47MF 47MF	10% 20% 20% 20% 20%	100V 25V 25V 25V 25V	IC406 IC407 IC408 IC409	8-759-900-04 8-759-900-00 8-759-900-20 8-759-901-38	IC SN74LSOON
C493 C494 C495 C497	1-108-626-11	CERAMIC MYLAR CERAMIC ELECT	150PF 0.01MF 0.047MF 10MF	5% 10% 20%	50V 100V 50V 25V	1	8-759-982-13 <coi< td=""><td>IC RC7812FA</td></coi<>	IC RC7812FA
	<con< td=""><td>NECTOR></td><td></td><td></td><td></td><td>L401</td><td>1-408-408-00</td><td>INDUCTOR 8.2UH</td></con<>	NECTOR>				L401	1-408-408-00	INDUCTOR 8.2UH
CN407 Q1 Q2 Q3	*1-562-243-00 *1-560-124-00 *1-560-124-00 *1-560-224-00	CONNECTOR 25 PLUG, CONNEC PLUG, CONNEC	TOR (2.5MM) TOR (2.5MM)	4P 4P		L402	1-408-408-00 1-408-408-00 1-408-163-00	INDUCTOR 8.2UH INDUCTOR 8.2UH
$\mathbf{\tilde{q}4}$	*1-560-125-00	PLUG, CONNEC	TOR (2.5MM)	5P			<tra< td=""><td>NSISTOR></td></tra<>	NSISTOR>
Q5 Q 7	*1-560-126-00 *1-560-128-00	PLUG, CONNEC	TOR (2.5MM) TOR (2.5MM F	6P PITCH)		Q401 Q402 Q403 Q404 Q405	8-729-119-76 8-729-119-78 8-729-119-76 8-729-119-78 8-729-119-76	TRANSISTOR 2SA1175-HFE TRANSISTOR 2SC2785-HFE TRANSISTOR 2SA1175-HFE TRANSISTOR 2SC2785-HFE TRANSISTOR 2SA1175-HFE
D401	8-719-911-19					Q406	8-729-119-78	TRANSISTOR 2SC2785-HFE
D401 D402 D403 D404 D405	8-719-911-19 8-719-911-19	DIODE 1SS119 DIODE 1SS119 DIODE RD6.2E	S-B2			Q407 Q408 Q409 Q410	8-729-119-76 8-729-173-36 8-729-119-78 8-729-119-76	TRANSISTOR 2SA1175-HFE TRANSISTOR 2SA733-Q TRANSISTOR 2SC2785-HFE TRANSISTOR 2SA1175-HFE
D406 D407 D408 D409 D410	8-719-109-93	DIODE 1SS119 DIODE 1SS119	S-B2			Q411 Q412 Q413 Q414 Q415	8-729-119-78 8-729-119-78 8-729-119-78 8-729-119-76 8-729-119-78	TRANSISTOR 2SC2785-HFE TRANSISTOR 2SC2785-HFE TRANSISTOR 2SC2785-HFE TRANSISTOR 2SA1175-HFE TRANSISTOR 2SC2785-HFE
D411 D412	8-719-911-19 8-719-911-19	DIODE 1SS119				Q416 Q417	8-729-119-78 8-729-119-78	TRANSISTOR 2SC2785-HFE TRANSISTOR 2SC2785-HFE

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REF.NO.	PART NO.	DESCRIPTION			REMARK	REF.NO.	PART NO.	DESCRIPTION				REMARK
Q418 Q419 Q420 Q421 Q422	8-729-119-78 8-729-119-78 8-729-119-78 8-729-119-78 8-729-119-78 8-729-119-78 8-729-119-78 8-729-119-78 8-729-119-78 8-729-119-78 8-729-119-76 8-729-119-76 8-729-119-76 8-729-119-76 8-729-119-76 8-729-119-76 8-729-119-76 8-729-119-76 8-729-119-76 8-729-119-76 8-729-119-76 8-729-119-76 8-729-119-76 8-729-119-76 8-729-119-76 8-729-119-78 8-729-119-78 8-729-119-78 8-729-119-78 8-729-119-78 8-729-119-78 8-729-119-78 8-729-119-78 8-729-119-78 8-729-119-78 8-729-119-78 8-729-119-78	TRANSISTOR 2S TRANSISTOR 2S TRANSISTOR 2S TRANSISTOR 2S TRANSISTOR 2S	A1175-HFE C2785-HFE C2785-HFE C2785-HFE C2785-HFE			R406 R407 R408 R409 R410	1-249-428-11 1-249-416-11 1-247-104-00 1-247-713-11 1-247-878-00		8.2K 820 75 1K	55555555	1/4W 1/4W 1/4W 1/4W	
Q423 Q424 Q425 Q426 Q429	8-729-119-78 8-729-119-76 8-729-119-78 8-729-119-78 8-729-119-78	TRANSISTOR 2S TRANSISTOR 2S TRANSISTOR 2S TRANSISTOR 2S TRANSISTOR 2S	C2785-HFE A1175-HFE C2785-HFE C2785-HFE C2785-HFE			R411 R412 R413 R414 R415	1-249-418-11 1-249-434-11 1-249-428-11	CARBON CARBON CARBON CARBON CARBON		5% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W 1/4W	·
Q430 Q431 Q433 Q434 Q435	8-729-119-76 8-729-119-78 8-729-119-76 8-729-119-76 8-729-119-76	TRANSISTOR 2S TRANSISTOR 2S TRANSISTOR 2S TRANSISTOR 2S TRANSISTOR 2S	A1175-HFE C2785-HFE A1175-HFE A1175-HFE A1175-HFE			R416 R417 R418 R419 R420	1-247-713-11 1-247-878-00 1-249-418-11 1-249-434-11 1-249-428-11	CARBON CARBON CARBON CARBON CARBON			1/4W 1/4W 1/4W 1/4W 1/4W	
Q442 Q443 Q444 Q445 Q446	8-729-119-78 8-729-119-78 8-729-119-78 8-729-119-76 8-729-119-76	TRANSISTOR 2S TRANSISTOR 2S TRANSISTOR 2S TRANSISTOR 2S TRANSISTOR 2S	C2785-HFE C2785-HFE C2785-HFE A1175-HFE A1175-HFE			R421 R422 R423 R424 R425	1-249-416-11 1-249-466-11 1-247-885-00 1-249-440-11 1-249-437-11				1/4W 1/4W 1/4W 1/4W 1/4W	
Q447 Q448 Q449 Q450 Q451	8-729-119-78 8-729-119-76 8-729-119-78 8-729-119-76 8-729-119-78	TRANSISTOR 2S TRANSISTOR 2S TRANSISTOR 2S TRANSISTOR 2S TRANSISTOR 2S	C2785-HFE A1175-HFE C2785-HFE A1175-HFE C2785-HFE			R426 R427 R428 R429 R430	1-249-427-11 1-249-425-11 1-249-466-11 1-247-885-00 1-249-440-11	CARBON CARBON CARBON CARBON CARBON	6.8K 4.7K 56K 180K 82K	55555555555555555555555555555555555555	1/4W 1/4W 1/4W 1/4W 1/4W	
Q452 Q453 Q454 Q455 Q456	8-729-119-76 8-729-119-78 8-729-119-76 8-729-119-78 8-729-119-78	TRANSISTOR 2S TRANSISTOR 2S TRANSISTOR 2S TRANSISTOR 2S TRANSISTOR 2S	A1175-HFE C2785-HFE A1175-HFE C2785-HFE C2785-HFE			R431 R432 R433 R434 R435	1-249-437-11 1-249-427-11 1-249-425-11	CARBON CARBON CARBON	47K 6.8K 4.7K	5% 5%	1/4W 1/4W 1/4W 1/4W 1/4W	
Q457		TRANSISTOR 2S	A1175-HFE			R436 R437 R438	1-247-698-11 1-247-713-11 1-249-421-11		68 1 K 2.2 K	5% 5%	1/4W 1/4W 1/4W	
R351 R352	1-249-429-11 1-249-409-11	CARBON CARBON	10K 5% 220 5% 10K 5% 220 5% 100 5%	1/4W 1/4W		R439 R440	1-247-725-11 1-247-878-00	CARBON CARBON	10K 91K	5% 5%	1/4W 1/4W	
R353 R354 R355	1-249-429-11 1-249-409-11 1-249-405-11	CARBON CARBON	220 5% 100 5%	1/4W 1/4W 1/4W		R442 R443 R444 R445	1-249-434-11 1-249-428-11 1-247-698-11 1-247-713-11 1-249-421-11	CARBON CARBON CARBON CARBON	27K 8.2K 68 1K	5% 5% 5%	1/4W 1/4W 1/4W 1/4W	
R356 R357 R358 R359 R361	1-247-711-11 1-247-711-11 1-249-415-11 1-249-415-11 1-247-711-11	CARBON CARBON CARBON CARBON CARBON	680 5% 680 5% 680 5% 680 5% 680 5%	1/4W 1/4W 1/4W 1/4W 1/4W			1-247-725-11 1-247-878-00 1-249-434-11	CARBON CARBON CARBON	10K 91K 27K		1/4W 1/4W 1/4W 1/4W	
R362 R364 R365	1-247-711-11 1-249-415-11 1-247-711-11	CARBON CARBON CARBON	680 5% 680 5% 680 5% 220 5% 220 5%	1/4W 1/4W 1/4W		R451 R452 R453	1-249-428-11 1-247-698-11 1-247-713-11	CARBON CARBON CARBON	8.2K 68 1K	5%	1/4W 1/4W 1/4W	
R366 R367	1-247-704-11 1-247-704-11	CARBON CARBON		1/4W 1/4W		R454 R455 R456	1-249-421-11 1-247-725-11 1-247-878-00	CARBON CARBON CARBON	2.2K 10K 91K	5%%%%% 5%%%%%%	1/4W 1/4W 1/4W	
R368 R369 R370 R371 R372	1-249-429-11 1-249-409-11 1-249-409-11 1-249-423-11 1-247-719-11	CARBON CARBON CARBON CARBON CARBON	10K 5% 220 5% 220 5% 3.3K 5% 3.3K 5%	1/4W 1/4W 1/4W 1/4W 1/4W		R458 R459 R460 R461 R462	1-249-434-11 1-249-428-11 1-247-700-11 1-249-421-11 1-249-417-11	CARBON CARBON CARBON CARBON CARBON CARBON	27K 8.2K 100 2.2K 1K	5% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W 1/4W	
R373 R374 R377	1-247-895-00 1-249-437-11 1-249-424-11	CARBON CARBON CARBON	470K 5% 47K 5% 3.9K 5%	1/4W 1/4W 1/4W		R463 R465	1-249-424-11 1-249-419-11	CARBON	3.9K 1.5K	5%	1/4W 1/4W	
R378 R379 R401	1-249-429-11 1-247-711-11 1-247-104-00	CARBON CARBON CARBON	10K 5% 680 5% 75 5%	1/4W 1/4W 1/4W		R466 R467 R468 R469	1-249-411-11 1-249-416-11 1-249-419-11 1-249-411-11	CARBON CARBON CARBON CARBON	330 820 1.5K 330	5% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W	
R402 R403 R404 R405	1-247-713-11 1-247-878-00 1-249-418-11 1-249-434-11	CARBON CARBON CARBON CARBON	75 5% 1K 5% 91K 5% 1.2K 5% 27K 5%	1/4W 1/4W 1/4W 1/4W		R470 R471 R472	1-249-416-11 1-249-419-11 1-249-411-11	CARBON CARBON CARBON	820 1.5K 330	5% 5% 5%	1/4W 1/4W 1/4W	

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		PART NO.	DESCRIPTION				REMARK	REF.NO.	PART NO.	DESCRIPTION				REMARK
	R473 R474	1-249-416-11 1-249-425-11 1-249-428-11	CARBON CARBON			1/4W		R1452	1-249-423-11	CARBON			1/4W	
	R475 R476 R477	1-249-428-11 1-249-417-11 1-249-425-11	CARBON CARBON CARBON	8.2K 1K 4.7K	5% 5% 5% 5%	1/4W 1/4W 1/4W		R1453 R1454 R1455	1-249-417-11 1-249-423-11 1-249-421-11 1-249-413-11 1-249-421-11	CARBON CARBON CARBON	1K 3.3K 2.2K 470 2.2K	5% 5% 5%	1/4W 1/4W 1/4W	
	R478 R479	1-249-425-11 1-249-425-11				1/4W		R1456 R1457	1-249-413-11	CARBON			1/4W 1/4W	
	R480 R481 R482	1-247-698-11 1-247-717-11 1-249-421-11	CARBUN CARBON CARBON	4.7K 4.7K 68 2.2K 2.2K	5% 5% 5%	1/4W 1/4W 1/4W		R1458 R1459 R1460	1-249-401-11 1-249-414-11 1-249-397-11 1-249-421-11 1-249-413-11	CARBON CARBON CARBON	47 560 22 2.2K 470	5% 5% 5%	1/4W 1/4W 1/4W 1/4W	
	R483 R484 R485	1-249-405-11 1-249-429-11 1-247-878-00	CARBON CARBON CARBON	100 10K 91K 27K 8.2K	5% 5%	1/4W 1/4W 1/4W		R1462	1-249-421-11	CARBON			1/4W 1/4W	
	R486 R487	1-249-434-11 1-249-428-11				1/4W 1/4W		R1464 R1465 R1466	1-249-413-11 1-249-421-11 1-249-401-11 1-249-414-11 1-249-397-11 1-249-421-11	CARBON CARBON CARBON	2.2K 47 560 22 2.2K	5% 5% 5%	1/4W 1/4W 1/4W	
	R488 R489 R490	1-247-704-11 1-247-721-11 1-249-419-11	CARBON CARBON CARBON	220 4.7K 1.5K 2.2K 820	5% 5% 5%	1/4W 1/4W 1/4W		R1467	1-249-421-11	CARBON CARBON			1/4W 1/4W	
	R491 R492	1-249-421-11 1-249-416-11				1/4W 1/4W		R1469 R1470 R1471	1-249-413-11 1-249-421-11 1-249-401-11 1-249-414-11 1-249-397-11	CARBON CARBON CARBON CARBON	470 2.2K 47 560	5% 5%	1/4W 1/4W 1/4W	
	R493 R494 R495	1-249-411-11 1-249-425-11 1-249-433-11	CARBON CARBON CARBON	330 4.7K 22K 47K 10K	5% 5% 5%	1/4W 1/4W 1/4W		R1472	1-249-397-11	CARBON CARBON	22	2%	1/4W 1/4W 1/4W	
	R496 R497 R499	1-249-437-11 1-249-429-11 1-249-411-11	CARBON			1/4W 1/4W		R1475 R1476	1-249-428-11 1-249-427-11 1-249-429-11 1-249-409-11 1-249-409-11	CARBON CARBON CARBON	8.2K 6.8K 10K 220 220	5% 5% 5%	1/4W 1/4W 1/4W	
	R661 R662 R663	1-247-703-11 1-247-703-11 1-247-703-11	CARBON CARBON CARBON	330 180 180 180 390	5% 5% 5% 5%	1/4W 1/4W 1/4W		R1478	1-249-409-11 1-249-425-11	CARBON CARBON	220 4.7K		1/4W 1/4W	
	R664 R665	1-249-412-11 1-249-412-11 1-249-412-11				1/4W 1/4W		R1480 R1481 R1482	1-249-409-11 1-249-425-11 1-249-425-11 1-249-417-11 1-249-429-11	CARBON CARBON CARBON	4.7K 1K 10K	5% 5% 5% 5%	1/4W 1/4W 1/4W	
	R1402	1-249-421-11 1-249-417-11	CARBON CARBON CARBON	390 390 2.2K 1K 18K	5% 5% 5%	1/4W 1/4W 1/4W		R1483 R1484	1-249-429-11 1-247-725-11 1-247-704-11 1-247-725-11	CARBON CARBON	10K 10K		1/4W 1/4W	
	R1404	1-249-432-11				1/4W		R1487	1-247-704-11 1-247-725-11 1-247-704-11	CARBON CARBON CARBON	220 10K 220	5% 5% 5% 5%	1/4W 1/4W 1/4W	
	R1406 R1413	1-249-429-11 1-249-423-11 1-247-720-11 1-247-708-11	CARBON CARBON CARBON	3.9K 10K 3.3K 3.9K 470	5% 5% 5%	1/4W 1/4W 1/4W 1/4W		R1488 R1489	1-247-725-11 1-247-704-11 1-247-725-11 1-247-704-11	CARBON CARBON CARBON	10K 220 10K	5% 5% 5%	1/4W 1/4W 1/4W	
	R1415	1-247-722-11 1-249-413-11	CARRON	5 6K	59	1//6		R1492	1-247-704-11	CARBON	220	5%	1/4W	
	R1419	1-249-419-11 1-249-425-11 1-249-417-11	CARBON CARBON CARBON CARBON	1.5K 4.7K 1K	5% 5% 5%	1/4W 1/4W 1/4W		RV401	1-228-727-00	IABLE RESISTOR RES, ADJ. CAR	RBON 47	′K		
	R1423 R1432	1-249-415-11 1-249-429-11	CARBON CARBON	680 10K		1/4W 1/4W		RV402 RV403 RV404	1-228-725-00 1-228-725-00 1-228-725-00	RES, ADJ, CAF RES, ADJ, CAF RES, ADJ, CAF	RBON 22 RBON 22	2 K 2 K		
	R1433 R1434 R1435	1-249-423-11 1-247-848-11 1-249-418-11	CARBON CARBON CARBON	3.3K 5.1K 1.2K	5% 5% 5% 5%	1/4W 1/4W 1/4W		RV405		RES, ADJ, CAF	RBUN 22	łK		
	R1436 R1437 R1438	1-249-436-11 1-249-429-11	CARBON CARBON	39K 10K 5.6K	5% 5% 5%	1/4W 1/4W 1/4W		S401		SWITCH, SLIDE SWITCH, SLIDE				
		1-249-426-11 1-249-425-11 1-249-433-11	CARBON CARBON CARBON	4.7K 22K	5% 5%	1/4W 1/4W 1/4W		\$402 \$403	1-553-725-00	SWITCH, SLIDE	3	*****	******	:**: ****
	R1442 R1443 R1444	1-247-901-11 1-247-901-11 1-247-901-11	CARBON CARBON CARBON	820K 820K 820K	5% 5% 5%	1/4W 1/4W 1/4W				C1 BOARD, COM	1PLETE			
	R1445 R1446	1-249-436-11 1-249-435-11	CARBON CARBON	39K 33K	5% 5%	1/4W 1/4W			1-526-645-00	SOCKET, PICTU	JRE TUE	BE		
	R1447 R1448 R1449	1-247-885-00 1-249-426-11 1-249-42 <u>1</u> -11	CARBON CARBON	180K 5.6K 2.2K	5% 5% 5% 5%	1/4W 1/4W 1/4W				NECTOR>				
	K1451	1-249-417-11	CARBON	1 K	5%	1/4W		C1	* 1-508-765-00	PIN, CONNECTO	JK (5MM	PITC	1) 31	

									C.	1 C	2 D
REF.NO	. PART NO.	DESCRIPTION			REMARK	REF.NO.	PART NO.	DESCRIPTION			REMARK
C2	* 1-508-786-00	PIN, CONNECT	OR (5MM	PITCH) 2P		R721 R722	1-216-485-11 1-249-408-11	METAL OXIDE CARBON	5.6K 5	5% 3W 5% 1/4W	F
	<cap< td=""><td>ACITOR></td><td></td><td></td><td></td><td>R723 R724</td><td></td><td>CARBON CARBON</td><td>6.8 5 2K 5</td><td>5% 1/4W 5% 1/4W</td><td></td></cap<>	ACITOR>				R723 R724		CARBON CARBON	6.8 5 2K 5	5% 1/4W 5% 1/4W	
C701 C703 C704 C705	1-123-356-00 1-102-116-00 1-123-356-00 1-102-115-00	CERAMIC ELECT CERAMIC	10MF 680PF 10MF 560PF	20% 10% 20% 10%	25V 50V 16V 50V	R725 R726 R727	1-247-694-11 1-214-917-00 1-202-824-00	CARBON CARBON SOLID	33 150K 3.3K 1	5% 1/4W 5% 1/2W 10% 1/2W	
C706 C707 C708 C709 C710	1-123-356-00 1-102-116-00 1-123-356-00 1-123-946-00 1-108-704-11	ELECT CERAMIC ELECT ELECT MYLAR	10MF 680PF 10MF 4.7MF 0.1MF	20% 10% 20% 10%	16V 50V 16V 250V 200V	R728 R729 R730 R731 R732	1-202-815-11 1-202-719-00 1-202-722-00	SOLID SOLID SOLID SOLID	3.3K 1 47K 1 1M 1 1.8M 1	10% 1/2W 10% 1/2W 10% 1/2W	
C711 C712 C713 C714	1-102-038-00 1-129-722-00 1-123-356-00 1-162-116-00	CERAMIC FILM ELECT CERAMIC CERAMIC	0.001MF 0.047MF 10MF 680PF 680PF	20% 20% 20% 10%	500V 630V 50V 2KV 1KV	R733 R734 R735 R736 R737	1-202-720-00	SOLID SOLID SOLID	3.3K 1 1.2M 1 27K 1	10% 1/2W 10% 1/2W 10% 1/2W 10% 1/2W 5% 1/2W	
C715 C716	1-162-116-00 1-161-754-00		0.001MF	10%	2KV	R738	1-202-842-11	SOLID	220K 1	10% 1/2W	
	<010	DE>				 	<var< td=""><td>IABLE RESISTO</td><td>R></td><td></td><td></td></var<>	IABLE RESISTO	R>		
D701 D702 D703	8-719-300-76 8-719-300-76 8-719-300-76	DIODE RH-1A				RV701 RV702 RV703 RV704 RV705	1-228-719-00 1-228-723-00 1-228-719-00 1-228-723-00 1-228-719-00	RES, ADJ, CE RES, ADJ, CE RES, ADJ, CE RES, ADJ, CE RES, ADJ, CE	RAMIC CAF RAMIC CAF RAMIC CAF	RBON 4.7K RBON 470 RBON 4.7K	
	<01					RV706	1-228-723-00	RES, ADJ, CE	RAMIC CAF	RBON 4.7K	
L701 L702 L703 L704	1-408-072-00 1-408-072-00 1-408-072-00 1-408-072-00	INDUCTOR INDUCTOR INDUCTOR INDUCTOR	47UH 47UH 47UH 47UH			RV707 RV708 RV709 RV710	1-228-719-00 1-228-723-00 1-228-719-00 1-228-723-00	RES, ADJ, CE RES, ADJ, CE RES, ADJ, CE RES, ADJ, CE	RAMIC CAF RAMIC CAF	RBON 4.7K RBON 470	
	<tra< td=""><td>NSISTOR></td><td></td><td></td><td></td><td>RV711 RV712</td><td>1-228-723-00</td><td>RES, ADJ, CE RES, ADJ, CE RES, ADJ, ME</td><td>RAMIC CAF</td><td>RBON 4.7K</td><td></td></tra<>	NSISTOR>				RV711 RV712	1-228-723-00	RES, ADJ, CE RES, ADJ, CE RES, ADJ, ME	RAMIC CAF	RBON 4.7K	
9701 9702	8-729-119-78 8-729-119-80	TRANSISTOR 2 TRANSISTOR 2				RV713 RV714	1-226-114-00 1-226-063-00	RES, ADJ, CA	RBON 2.2N	: Z.ZM (
Q703 Q704	4-370-970-01 8-729-119-78 8-729-119-80	SPACER, TR; TRANSISTOR 2 TRANSISTOR 2	Q702 \$C2785-H \$C2688-L	FE			************ *1-613-038-11		********	*******	******
Q705 Q706	4-370-970-01 8-729-119-78 8-729-119-80	SPACER, TR; TRANSISTOR 2 TRANSISTOR 2	SC2785-H	FE		! ! !	< CON	NECTOR>			
Q 100	4-370-970-01			N			*1-560-129-00	PLUG, CONNEC			
	<res< td=""><td>ISTOR></td><td></td><td></td><td></td><td>C5</td><td>*1-560-129-00</td><td>PLUG, CUNNEC</td><td>TUK (2.5)</td><td>MM) 9P</td><td></td></res<>	ISTOR>				C5	*1-560-129-00	PLUG, CUNNEC	TUK (2.5)	MM) 9P	
R701 R702 R703 R704	1-249-421-11 1-249-413-11 1-249-413-11 1-249-398-11	CARBON CARBON CARBON CARBON	2.2K 470 470 27	5% 1/4W 5% 1/4W 5% 1/4W 5% 1/4W 5% 3W		5701	<swi 1-554-974-11</swi 		E		
R705	1-216-485-11	METAL OXIDE			F		******			********	********
R706 R708 R709 R710 R711	1-249-408-11 1-247-838-00 1-249-421-11 1-249-413-11 1-249-413-11	CARBON CARBON CARBON CARBON CARBON	180 2K 2.2K 470 470	5% 1/4W 5% 1/4W 5% 1/4W 5% 1/4W 5% 1/4W			*A-1345-762-A <cap< td=""><td>ACITOR></td><td></td><td>•</td><td></td></cap<>	ACITOR>		•	
R712	1-249-398-11	CARBON			_	C503	1-102-121-00	CERAMIC	0.0022MI		50 V
R713 R714 R716 R717	1-216-485-11 1-249-408-11 1-247-838-00 1-249-421-11	METAL OXIDE CARBON CARBON CARBON	5.6K 180 2K 2.2K	5% 1/4W 5% 3W 5% 1/4W 5% 1/4W 5% 1/4W	F	C504 C505 C506 C507	1-108-632-11 1-123-380-00 1-130-485-00 1-123-380-00	MYLAR ELECT MYLAR ELECT	0.033MF 1MF 0.015MF 1MF	10% 20% 5% 20%	100V 50V 50V 50V
R718 R719 R720	1-249-413-11 1-249-413-11 1-249-398-11	CARBON CARBON CARBON	470 470 27	5% 1/4W 5% 1/4W 5% 1/4W		C508 C509 C511	1-136-173-00 1-123-380-00 1-123-356-00	FILM ELECT ELECT	0.47MF 1MF 10MF	5% 20% 20%	50 V 50 V 25 V



The components identified by shading and mark \triangle are critical for safety.
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REF.NO.	PART NO.	DESCRIPTION			REMARK	REF.NO.	PART NO.	DESCRIPTION			REMARK
C512 C513 C514 C515 C516	1-123-380-00 1-108-808-11 1-108-812-11 1-124-514-11 1-102-228-00	ELECT MYLAR MYLAR ELECT CERAMIC	1MF 0.022MF 0.047MF 100MF 470PF	20% 5% 5% 20% 10%	50V 50V 50V 50V 500V	C825 C827 C828 C829 C830	1-126-541-11 1-123-379-00 1-102-820-00 1-106-385-00	ELECT CERAMIC MYLAR	330MF 0.47MF 330PF 0.056MF 330PF	20% 20% 5% 10%	16V 50V 50V 200V 500V
C517 C518 C519 C520 C521	1-106-375-12 1-123-356-00 1-124-499-11 1-123-330-00 1-123-336-00	MYLAR ELECT ELECT ELECT ELECT	0.022MF 10MF 1MF 22MF 470MF	10% 20% 20% 20% 20% 20%	100V 25V 50V 25V 25V	C832 A	1-102-030-00 1-161-961-11 1-108-702-11 1-136-064-11 1-136-079-11 1-136-612-11 1-108-704-11	CERAMIC	0.0022MF	10%	200V 2KV 2KV 2KV 200V
C522 C523 C524 C525 C526	1-130-485-00 1-131-356-00	ELECT ELECT ELECT MYLAR TANTALUM	22MF 22MF 1MF 0.015MF 3.3MF	20% 20% 20% 5% 10%	16V 16V 50V 50V 25V	C838 C839 C840 C841	1-108-704-11 1-136-112-00 1-130-800-00 1-136-123-00 1-123-267-00	FILM	1.4MF 2.2MF 0.51MF 2.2MF	10% 5% 10% 5% 20%	200V 200V 250V 400V 160V
C527 C528 C529 C530 C531	1-126-103-11 1-123-382-00 1-124-499-11 1-130-483-00 1-108-812-11	ELECT ELECT ELECT MYLAR MYLAR		20% 20% 20% 5% 5%	16V 50V 50V 50V 50V	C842 C843 C844 C846 C849	1-106-357-00 1-123-380-00 1-126-541-11 1-124-580-11 1-108-816-11	MYLAR ELECT ELECT ELECT MYLAR	0.0039MF 1MF 330MF 330MF 0.1MF	10% 20% 20% 20% 5%	100V 50V 16V 35V 50V
C532 C533 C534 C535 C536	1-123-380-00 1-123-356-00 1-108-792-11 1-123-333-00 1-123-336-00	ELECT ELECT MYLAR ELECT ELECT	1MF 10MF 0.001MF 100MF 470MF	20% 20% 5% 20% 20%	50V 16V 50V 25V 25V	C850 C851 C852 C853 C854	1-129-898-00 1-108-692-11 1-124-557-11 1-102-212-00 1-124-046-00	FILM MYLAR ELECT CERAMIC ELECT	0.0022MF 0.01MF 1000MF 820PF 10MF	10% 10% 20% 10%	630V 200V 25V 500V 160V
C537 C538 C751 C752 C753	1-123-380-00 1-123-381-00 1-124-791-11	ELECT CERAMIC ELECT ELECT ELECT	2.2MF 100PF 1MF 2.2MF 1MF	20% 5% 20% 20% 20%	50V 50V 50V 50V 50V	C855 C856 C857 C858 C859	1-123-369-00	MYLAR CERAMIC CERAMIC ELECT	33MF 0.047MF 0.0047MF 82PF 4.7MF	10% 10% 5% 20%	160V 200V 2KV 50V 50V
C755 C756 C757 C758 C759	1-124-791-11 1-162-117-00 1-108-824-00 1-123-356-00	MYLAR Elect	0.1MF 1MF 100PF 0.47MF 10MF	5% 20% 10% 5% 20%	50V 50V 500V 50V 25V	C862 A C863 A C865	1-108-692-11	MILAN	47MF 0.0027MF 0.003MF 0.002MF 0.01MF	20% 3% 3% 3% 10%	25 V 2 K V 2 K V 2 K V 2 O O V
C760 C761 C762 C764 C766	1-123-334-00 1-123-380-00	ELECT ELECT ELECT ELECT ELECT	47MF 3.3MF 22MF 220MF 1MF	20% 20% 20% 20% 20%	25V 50V 25V 25V 50V	C866 C868 C870 C871 C872 C873	1-101-361-00 1-123-356-00 1-123-332-00 1-123-380-00 1-108-626-11	ELECT	150PF 10MF 47MF 1MF 0.01MF 470MF	5% 20% 20% 20% 10%	50V 16V 25V 50V 10OV
C767 C768 C769 C801 C802	1-108-638-11 1-124-126-00 1-136-173-00 1-123-381-00	ELECT FILM ELECT	0.47MF 2.2MF	20% 10% 20% 5% 20%	50V 100V 25V 50V 50V	C874 C876 C877 C877	1-126-103-11 1-108-626-11 1-102-816-00 1-101-361-00 1-101-361-00	MYLAR CERAMIC CERAMIC CERAMIC	0.01MF 120PF 150PF 150PF	20% 10% 5% 5% 5%	16 V 10 O V 50 V 50 V 50 V
C803 C804 C805 C806 C807	1-101-888-00 1-123-380-00 1-102-973-00 1-108-792-11 1-101-361-00	CERAMIC ELECT CERAMIC MYLAR CERAMIC	68PF 1MF 100PF 0.001MF 150PF	5% 20% 5% 5% 5%	50V 50V 50V 50V 50V	C880 C881 C883 C884 C885	1-101-888-00 1-102-820-00 1-130-497-00 1-123-356-00 1-108-814-11	CERAMIC CERAMIC MYLAR ELECT MYLAR	68PF 330PF 0.15MF 10MF 0.068MF	5% 5% 5% 20% 5%	50 V 50 V 50 V 25 V 50 V
C808 C810 C811 C813 C814	1-123-369-00 1-106-359-00 1-108-626-11 1-106-375-12 1-106-351-00	ELECT MYLAR MYLAR MYLAR MYLAR	4.7MF 0.0047MF 0.01MF 0.022MF 0.0022MF	20% 5% 10% 10% 10%	25V 50V 100V 100V 100V	C886 C887 C888 C889 C895	1-108-796-11 1-123-332-00 1-126-103-11 1-130-497-00 1-102-952-00	MYLAR ELECT ELECT MYLAR CERAMIC	0.0022MF 47MF 470MF 0.15MF 16PF	5% 20% 20% 5% 5%	50 V 16 V 16 V 50 V 50 V
C815 C816 C817 C818 C819	1-136-298-00 1-123-381-00 1-123-381-00 1-123-330-00 1-123-330-00	FILM ELECT ELECT ELECT ELECT	0.0033MF 2.2MF 2.2MF 22MF 22MF	5% 20% 20% 20% 20%	100V 50V 50V 25V 25V	D1		NECTOR> PLUG, CONNEC PLUG, CONNEC	TOR (2.5MM) (5P	
C821 C822 C823 C824	1-123-381-00 1-123-380-00 1-123-356-00 1-123-356-00	ELECT ELECT ELECT ELECT	2.2MF 1MF 10MF 10MF	20% 20% 20% 20%	50V 50V 16V 50V	D3 D4	*1-500-128-00 *1-560-125-00 *1-508-765-00 *1-508-765-00	PLUG, CONNECT PIN, CONNECT PIN, CONNECT	TUR (2.5MM) S OR (5MM PITCH	5P 1) 3P	

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REF.NO	. PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTIO	DN 	RE
D6 D8 D9 D10 D11	*1-564-038-00 *1-560-290-00 *1-560-124-00 *1-560-123-00 *1-560-123-00	CONNECTOR PLUG, DY (MINI) 6P PLUG, CONNECTOR (2.5MM PITCH) PLUG, CONNECTOR (2.5MM) 4P PLUG, CONNECTOR (2.5MM PITCH) PLUG, CONNECTOR (2.5MM) 3P PLUG, CONNECTOR (2.5MM) 3P		L809 L810 L811 L812 L814	1-407-841-00 1-408-074-00 1-459-155-00 1-459-115-00 1-407-841-00	INDUCTOR COIL (WITH COIL, DCC-H	CORE) 45UH	
D12	*1-560-123-00	PLUG, CONNECTOR (2.5MM) 3P		L816	1-408-247-00	INDUCTOR	33MMH	
	<010	DE>		!	<tra< td=""><td>NSISTOR></td><td></td><td></td></tra<>	NSISTOR>		
D501 D502 D504 D505 D506	8-719-911-19 8-719-911-19	DE> DIODE RD4.3ES-B2 DIODE 1SS119 DIODE 1SS119 DIODE 1SS119 DIODE UO5G DIODE 1SS119		Q502 Q503 Q504 Q505 Q507	8-729-900-36 8-729-900-36 8-729-900-36 8-729-900-63 8-729-119-76	TRANSISTOR TRANSISTOR TRANSISTOR	DTC124ES DTC124ES DTA124ES	
D507 D509 D751 D752 D753	8-719-911-19 8-719-911-19 8-719-911-19	DIODE 1SS119 DIODE 1SS119 DIODE 1SS119 DIODE 1SS119 DIODE 1SS119 DIODE 1SS119		Q508 Q509 Q510 Q751 Q752	8-729-119-78 8-729-900-36 8-769-195-00 8-729-119-78 8-729-313-42	TRANSISTOR TRANSISTOR TRANSISTOR	DTC124ES 2SK43-5 2SC2785-HFE	
D754 D801 D802 D803 D804	8-719-911-55 8-719-911-19 8-719-109-85	DIODE 1SS119 DIODE RD5.1ES-B2 DIODE RD20ES-B2		Q754	8-729-306-92 *4-329-153-00 8-729-304-92 *4-329-153-00 8-729-378-92	HEAT SINK, TRANSISTOR HEAT SINK,	V OUT; Q753 2SB649A V OUT; Q754	
D805 D806 D807 D808 D809	8-719-928-08	DIODE ERCO6-15S DIODE ERD28-08S DIODE ERC38-06 DIODE ERC38-06 DIODE RH-1A DIODE V3ON DIODE 1SS119 DIODE RH-1A DIODE RH-1A DIODE RH-1A DIODE ISS119		Q756 Q757 Q758 Q760 Q801	8-729-378-92 8-729-378-92 8-729-374-02 8-729-119-78 8-729-119-78	TRANSISTOR	2SD789-4 2SB740 2SC2785-HFE	
D810 D811 D812 D813 D814	8-719-903-09 8-719-911-19 8-719-300-76 8-719-300-76 8-719-911-19	DIODE V30N DIODE 1SS119 DIODE RH-1A DIODE RH-1A DIODE 1SS119		Q802 Q803 Q804 Q805	8-729-119-76 8-729-119-78 8-729-119-80 8-729-800-87 *4-363-404-00	TRANSISTOR	2SC2785-HFE 2SC2688-LK 2SD1398	
D815 D816 D817 D818	8-719-911-19	DIODE 1SS119 DIODE 1SS119 DIODE RD12ES-B2 DIODE UO5G		Q806 Q807 Q808 Q810	4-363-414-00 8-729-313-82 8-729-900-36 8-729-900-36 8-729-900-36	TRANSISTOR TRANSISTOR TRANSISTOR	2SD1138 DTC124ES DTC124ES	
	<1C>			Q811 Q812	8-729-119-76 8-729-119-78	TRANSISTOR TRANSISTOR	2SA1175-HFE 2SC2785-HFE	
1 C 5 0 2 1 C 5 0 3	8-759-105-82	IC CX7916 IC UPC1378H-P		Q813 Q816 Q817	8-729-900-36 8-729-119-78 8-729-119-76	TRANSISTOR TRANSISTOR	DTC124ES 2SC2785-HFE	
1C504 1C801 1C802 1C803 1C804	8-759-345-38 8-759-240-11 8-759-145-58 8-759-905-39	1C HD14538BP 1C TC4011BP 1C UPC4558C 1C TDA1082		Q818 Q819 Q820 Q821 Q822	8-729-119-76 8-729-119-78 8-729-119-78 8-729-119-78 8-729-119-78	TRANSISTOR	2SA1175-HFE 2SC2785-HFE 2SC2785-HFE 2SC2785-HFE 2SC2785-HFE	
10000	8-759-982-13 *4-323-833-00	IC RC7812FA HEAT SINK, PIN OUT; IC805		Q823 Q824		TRANSISTOR TRANSISTOR		
	<001				<res< td=""><td>ISTOR></td><td></td><td></td></res<>	ISTOR>		
L752 L752 L753 L802 L803		INDUCTOR 1MMH INDUCTOR 22MMH INDUCTOR 33MMH COIL, CHOKE INDUCTOR 3.9MMH	- PERK 1	R504 R505 R506 R507 R508	1-249-425-11 1-249-436-11 1-249-435-11 1-215-455-00 1-249-418-11	CARBON CARBON CARBON METAL CARBON	4.7K 5% 39K 5% 33K 5% 27K 1% 1.2K 5%	1/4W 1/4W 1/4W 1/6W 1/4W
L804 L805 L806 L807 L808	₾ 1-459-568-11	COIL, HORIZONTAL LINIALITY COIL, CHOKE 980UH COIL, CHOKE COIL, DUST CORE COIL, SPOOK CHOKE 3.3UH		R509 R510 R513 R514 R515	1-215-473-00 1-215-461-00 1-215-479-00 1-215-463-00	METAL METAL METAL METAL CARBON	150K 1% 47K 1% 270K 1% 56K 1% 360 5%	1/6W 1/6W 1/6W 1/6W 1/4W

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REF.	NO.	PART NO.	DESCRIPTION				REMARK	REF.NO.	PART NO.	DESCRIPTION				REMARK
R51 R51 R51 R51 R52	7 8 9	1-249-415-11 1-247-828-11 1-249-409-11 1-249-441-11 1-249-425-11	CARBON CARBON CARBON CARBON CARBON	680 750 220 100K 4.7K	5% 5%	1/4W 1/4W 1/4W 1/4W 1/4W		R591 R592 R593 R594 R595	1-247-886-11 1-212-364-00 1-249-413-11 1-249-417-11 1-249-417-11	CARBON METAL OXIDE CARBON CARBON CARBON	200K 2.2 470 1K 1K	5% 5% 5% 55% 55%	1/4W 1W 1/4W 1/4W 1/4W	F
R52 R52 R52 R52 R52	2 4 5 6	1-247-886-11 1-215-458-00 1-247-842-11 1-249-430-11 1-247-846-11	CARBON METAL CARBON CARBON CARBON	200K 36K 3K 12K 4.3K	1% 5% 5% 5%	1/4W 1/6W 1/4W 1/4W 1/4W		R596 R597 R751 R753 R754	1-249-409-11 1-249-417-11 1-247-874-11 1-249-439-11 1-249-432-11	CARBON CARBON CARBON CARBON CARBON	220 1K 62K 68K 18K	5 % % % % % % % % % % % % % % % % % % %	1/4W 1/4W 1/4W 1/4W 1/4W 1/4W	
R52 R52 R52 R53 R53	8 9 0 1	1-249-433-11 1-215-373-31 1-215-866-11 1-215-866-11 1-247-874-11 1-247-870-11	CARBON METAL METAL OXIDE METAL OXIDE CARBON CARBON	22K 10 330 330 62K 43K	5% 1% 5% 5% 5%	1/4W 1/6W 1W 1W 1/4W	F	R755 R756 R757 R758 R760 R761	1-249-417-11 1-249-414-11 1-249-417-11 1-249-411-11 1-249-442-11 1-249-417-11	CARBON CARBON CARBON CARBON CARBON CARBON CARBON	1K 560 1K 330 510	5% 5% 5% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W 1/4W	
R53 R53 R54 R54	3 4 2 4	1-249-442-11 1-249-442-11 1-216-355-11 1-247-746-11	CARBON CARBON METAL OXIDE CARBON	510 510 3.3 390	555555 5555555555555555555555555555555	1/4W 1/4W 1W 1W 1/2W	F	R762 R763 R764 R765 R766	1-249-415-11 1-247-886-11 1-247-846-11 1-215-871-11 1-247-802-11	CARBON CARBON CARBON METAL OXIDE CARBON	680 200K 4.3K 2.2K 62	5% 5% 5% 5%	1/4W 1/4W 1/4W 1W 1W	F
R54 R54 R54 R54	6 7 8 19	1-249-427-11 1-249-417-11 1-249-426-11 1-249-429-11 1-247-878-00	CARBON CARBON CARBON CARBON CARBON	1.8K 6.8K 1K 5.6K 10K	5% 5% 5%	1/4W 1/4W 1/4W 1/4W		R767 R768 R769 R770 R771	1-249-405-11 1-249-430-11 1-249-383-11 1-249-383-11 1-247-874-11	CARBON CARBON CARBON CARBON CARBON	100 12K 1.5 1.5 62K	5% 5% 5% 5%	1/4W 1/4W 1/8W 1/8W 1/4W	F F
R55 R55 R55 R55	1 52 53 54	1-249-437-11 1-249-428-11 1-249-425-11 1-247-886-11 1-249-426-11	CARBON CARBON CARBON CARBON CARBON	47K 8.2K 4.7K 200K 5.6K	5% 5%	1/4W 1/4W 1/4W 1/4W		R772 R773 R774 R775 R776	1-247-870-11 1-249-442-11 1-249-410-11 1-249-442-11 1-249-411-11	CARBON CARBON CARBON CARBON CARBON	43K 510 270 510 330	5% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W 1/4W	
R55 R55 R55 R56	6 8 59 50	1-249-431-11 1-249-435-11 1-249-429-11 1-249-429-11 1-247-876-11	CARBON CARBON CARBON CARBON CARBON	15K 33K 10K 10K	5% 5% 5%	1/4W 1/4W 1/4W 1/4W		R777 R778 R779 R780 R781	1-249-414-11 1-249-439-11 1-249-429-11 1-249-418-11 1-247-816-11	CARBON CARBON CARBON CARBON CARBON	560 68K 10K 1.2K 240	5% 5% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W 1/4W	
R56 R56 R56 R56	52 53 54 55	1-249-439-11 1-249-439-11 1-247-889-00 1-249-429-11 1-215-493-00	CARBON CARBON CARBON CARBON METAL	68K 68K 270K 10K	5% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W		R782 R783 R784 R785 R786	1-247-822-11 1-249-410-11 1-249-427-11 1-249-383-11 1-249-383-11	CARBON CARBON CARBON CARBON CARBON	430 270 6.8K 1.5 1.5	5%% 5%% 5%% 5%%	1/4W 1/4W 1/4W 1/8W 1/8W	F F
R56 R56 R56 R57	57 58 59 70	1-249-440-11 1-249-405-11 1-249-439-11 1-247-870-11 1-249-417-11		82K 100 68K 43K	5% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W		R787 R788 R789 R790 R801	1-247-881-00 1-249-441-11 1-249-418-11 1-247-104-00 1-249-423-11	CARBON CARBON CARBON CARBON CARBON	120K 100K 1.2K 15 3.3K	5% 5% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W 1/4W	F
R57 R57 R57 R57	72 73 74 75	1-249-417-11 1-247-881-00 1-249-438-11 1-249-426-11 1-249-421-11	CARBON CARBON CARBON CARBON CARBON	1 K 120 K 56 K 5.6 K 2.2 K	5% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W		R802 R803 R804 R805 R806	1-249-432-11 1-247-881-00 1-249-435-11 1-249-419-11 1-249-421-11	CARBON CARBON CARBON CARBON CARBON	18K 120K 33K 1.5K 2.2K	5% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W 1/4W	
R57 R57 R57 R54	77 78 79 80	1-249-409-11 1-247-889-00 1-249-441-11 1-249-417-11 1-249-417-11	CARBON CARBON CARBON CARBON CARBON	220 270K 100K 1K	5% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W		R807 R808 R809 R810 R811	1-247-894-11 1-249-434-11 1-249-419-11 1-249-428-11 1-215-462-00	CARBON CARBON CARBON CARBON METAL	430K 27K 1.5K 8.2K 51K	5% 5% 5% 5% 1%	1/4W 1/4W 1/4W 1/4W 1/6W	
R55 R55 R55 R55	82 83 84 85	1-249-426-11 1-247-892-11 1-249-437-11 1-249-399-11 1-249-431-11	CARBON CARBON CARBON CARBON CARBON	5.6K 360K 47K 33	5% 5% 5%	1/4W 1/4W 1/4W 1/4W		R812 R813 R814 R815 R816	1-249-438-11 1-249-414-11 1-249-426-11 1-249-430-11 1-249-405-11	CARBON CARBON CARBON CARBON CARBON	56K 560 5.6K 12K 100	5% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W 1/4W	
R50 R50 R50	87 89	1-249-417-11 1-249-417-11 1-247-903-00	CARBON CARBON	1 K 1 K 1 M	5% 5% 5% 5%	1/4W 1/4W 1/4W		R817 R818	1-249-440-11 1-247-868-11	CARBON CARBON	82K 36K	5% 5%	1/4W 1/4W	

The components identified by shading and mark \triangle are critical for safety.
Replace only with part number specified.

• * : Selected to yield optimum performance.



REF.NO.	PART NO.	DESCRIPTION				REMARK	REF.NO.	PART NO.	DESCRIPTION				REMARK
R819 R820 R821 R822 R823	1-249-430-11 1-249-440-11 1-249-441-11 1-249-441-11 1-249-424-11	CARBON CARBON CARBON CARBON CARBON	12K 82K 100K 100K 3.9K					1-249-423-11 1-212-364-00 1-247-874-11 1-247-894-11 1-249-422-11 1-249-421-11	CARBON	3.3K		1/4W 1W 1/4W 1/4W 1/4W	F
R824 R825 R826 R827 R828	1-249-418-11 1-249-429-11 1-215-473-00 1-215-447-00 1-215-441-00	CARBON METAL METAL METAL	1.2K 10K 150K 12K 6.8K	5% 5% 1% 1%	1/4W 1/4W 1/6W 1/6W 1/6W		R880 R881 R882 R883 R884	1-249-421-11 1-249-429-11 1-249-417-11 1-249-422-11 1-249-422-11 1-247-881-00				1/4W 1/4W 1/4W 1/4W 1/4W	
* R829 * R829 * R829 * R829 * R829 * R829	1-247-862-11 1-249-433-11 1-247-864-11 1-249-434-11 1-247-866-11 1-249-435-11	CARBON CARBON CARBON CARBON CARBON	20K 22K 24K 27K 30K	5%% 5%% 5%% 5%%	1/4W 1/4W 1/4W 1/4W 1/4W		R885 R886 R887 R888 R889	1-247-881-00 1-249-424-11 1-249-405-11 1-215-477-00 1-215-463-00 1-216-349-00				1/4W 1/8W 1/4W 1/6W 1/6W	F
* R829 * R829 * R829 * R829	1-249-436-11 1-249-437-11 1-249-438-11 1-247-876-11			55555555555555555555555555555555555555	1/4W 1/4W 1/4W 1/4W 1/4W		*R891 *R891 *R891 *R891	1-215-349-00 1-215-397-00 1-215-425-00 1-215-433-00 1-215-439-00 1-215-443-00		100 1.5K 3.3K 5.6K 8.2K	1% 1%	1/6W 1/6W 1/6W 1/6W	r
R830 R831 R832 R833 R834		CARBON CARBON CARBON METAL METAL		5% 5% 1% 1%	1/4W 1/4W 1/6W 1/6W		j	1-215-447-00 1-215-447-00 1-215-449-00 1-215-451-00 1-215-453-00 1-215-455-00			1% 1% 1% 1%	1/6W 1/6W 1/6W 1/6W	
R835 R836 R837 R838 R839		METAL CARBON CARBON METAL OXIDE CARBON		5% 5% 5%	1/4W 1/4W 3W 1/4W	F F	*R891 R892	1-249-417-11 1-215-445-00 1-249-427-11 1-249-436-11 1-249-421-11			1% 5% 1% 5%	1/6W 1/6W 1/6W 1/4W	
R840 R841 R842 R843 R844	1-249-422-11 1-216-350-11 1-215-922-11 1-249-427-11 1-216-424-11	CARBON METAL OXIDE METAL OXIDE CARBON METAL OXIDE	2.7K 1.2 6.8K 6.8K 39	5% 5% 5% 5%	1/4W 1W 3W 1/4W 1W	F F	R896 R897 R898	1-249-417-11 1-247-846-11 1-249-417-11	CARBON CARBON CARBON	1 K 4 . 3 K 1 K	5% 5% 5%	1/4W 1/4W 1/4W 1/4W 1/4W	
R845 R846 R847 R848 R849	1-215-465-00 1-249-411-11 1-249-429-11 1-247-846-11 1-249-432-11	METAL CARBON CARBON CARBON CARBON	68K 330 10K 4.3K 18K	1% 5% 5% 5%	1/6W 1/4W 1/4W 1/4W 1/4W		RV501	<var< td=""><td>TABLE RESISTOR</td><td>R) RBON 220</td><td>)</td><td></td><td></td></var<>	TABLE RESISTOR	R) RBON 220)		
R850 R851 R852 R853 R855	1-215-465-00 1-249-411-11 1-249-429-11 1-247-846-11 1-249-432-11 1-249-432-11 1-249-433-11 1-249-424-11 1-249-421-11	CARBON CARBON CARBON CARBON CARBON	3.6K 18K 22K 3.9K 330	5% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W 1/4W		RV502 RV503 RV504 RV505	1-228-724-00 1-228-721-00 1-228-725-00 1-224-249-99 1-228-729-00	RES, ADJ, CAF RES, ADJ, CAF RES, ADJ, CAF RES, ADJ, MET	RBON 10k RBON 2.2 RBON 22k FAL GLAZ RBON 220	K 2K K ZE 1K OK		
R856 R857 R858 R859 R860	1-249-428-11 1-249-441-11 1-247-890-11 1-249-435-11 1-217-418-00	CARBON CARBON CARBON CARBON FUSIBLE	8.2K 100K 300K 33K 0.47	5% 5% 5%	1/4W 1/4W 1/4W 1/4W 1/2W	F	RV507 RV751 RV752 RV753 RV802	1-228-723-00 1-228-723-00 1-228-724-00 1-228-723-00 1-237-517-21	RES. ADJ. CAR RES. ADJ. CAR RES. ADJ. CAR RES. ADJ. CAR RES. ADJ. MET	RBON 4.7 RBON 4.7 RBON 10k RBON 4.7	7 K 7 K (7 K		
R861 R862 R863 R864 R865	1-217-418-00 1-214-915-00 1-214-915-00 1-247-146-00 1-247-721-11	FUSIBLE CARBON CARBON CARBON CARBON	0.47 120K 120K 4.3K 4.7K	10% 5% 5% 5% 5%	1/2W 1/2W 1/2W 1/2W 1/4W		RV803 RV804 RV805 RV806	1-228-722-00 1-228-720-00 1-228-718-00 1-228-722-00 1-228-721-00	RES, ADJ, CAF RES, ADJ, CAF RES, ADJ, CAF RES, ADJ, CAF	RBON 3.3 RBON 1K RBON 330 RBON 3.3	3K) 3K		
R866 R867 R868 R869 R870	1-249-423-11 1-215-869-11 1-215-871-11 1-215-861-00 1-249-435-11	CARBON METAL OXIDE METAL OXIDE METAL OXIDE METAL OXIDE CARBON	3.3K 1K 2.2K 47 33K	5% 5% 5% 5% 5%	1/8W 1W 1W	F F F	RV808 RV809 RV811	1-223-102-00 1-226-192-00	RES, ADJ, WIF RES, ADJ, CAF RES, ADJ, CAF	REWOUND RBON 47k RBON 470	120 { }K		
R871 R872 R873 R874	1-249-421-11 1-249-440-11 1-249-429-11 1-249-434-11	CARBON CARBON CARBON CARBON	2.2K 82K 10K 27K	5% 5% 5%	1/4W 1/4W 1/4W 1/4W		T801 ⚠ T803 ⚠	<tra 1-437-090-11 1-421-693-11</tra 	NSFORMER> HDT TRANSFORMER,	FERRITE	11 - 11 - 13 3 - 13 - 13 - 13 - 13 - 13		



REF. NO. PART NO.

DESCRIPTION

REMARK ! REF. NO. PART NO.

DESCRIPTION

REMARK

The components identified by shading and mark A are criti-

Replace only with part number

cal for safety.

specified.

<THERMISTOR>

TH501 1-806-110-00 THERMISTOR TH751 1-800-071-99 THERMISTER, S-300

*1-613-041-11 H BOARD

*4-365-401-00 HOLDER (10 GANG), LED

<DIODE>

8-719-311-13 DIODE SEL1922D-CD 8-719-311-13 DIODE SEL1922D-CD 8-719-311-13 DIODE SEL1922D-CD D681 D682 D683 DIODE SEL1922D-CD D684 8-719-311-13 8-719-311-13 DIODE SEL1922D-CD D685

8-719-311-13 8-719-311-13 DIODE SEL1922D-CD D686 DIODE SEL1922D-CD D687 8-719-311-13 8-719-311-13 DIODE SEL1922D-CD DIODE SEL1922D-CD D688

D689 D690 8-719-102-34 DIODE SG232D

<TRANSISTOR>

8-729-119-76 TRANSISTOR 2SA1175-HFE Q681

<RESISTOR>

R681 1-249-429-11 CARBON 10K 5% 5% 5% 5% 5% 1/4W1-247-868-11 1-249-428-11 1-249-417-11 R682 CARBON 36K 1/4W 8.2K 1K R684 CARBON 1/4WCARBON 1/4W R685 1-249-417-11 1/4W CARBON R686 R687 1-249-427-11 CARBON 6.8K1/4W 1-249-417-11 R688 CARBON 1/4W 1-249-420-11 CARBON 1.8K

<VARIABLE RESISTOR>

RES, VAR, CARBON 20K RES, VAR, CARBON 20K RES, VAR, CARBON 20K RES, VAR, CARBON 20K RES, VAR, CARBON 10K RV681 1-228-937-00 1-228-938-00 1-228-938-00 1-228-938-00 RV682 RV683 RV684 RV685 1-228-936-00

RV686 1-228-936-00 RES, VAR, CARBON 10K

<SWITCH>

1-516-777-99 1-516-777-99 1-516-777-99 1-554-118-00 1-516-777-99 SLIDE SWITCH 1-516-777-99 SLIDE SWITCH 1-516-777-99 SLIDE SWITCH 1-554-118-00 SWITCH, PUSH (1 KEY) 1-554-405-00 SWITCH, PUSH (5 KEY) S671 \$672 \$673 S674

MISCELLANEOUS

⚠. 1-162-142-21 ♠. 1-228-482-14

CAP BLOCK, HIGH VOLTAGE
RESISTOR ASSY, HIGH-VOLTAGE
DEFLECTION YOKE (Y13NBA2)
MAGNET, DISK; 10MM Ø

A 1-451-239-12 1-452-032-00

MAGNET, ROTATABLE DISK; 15MM ø 1-452-094-00

1-452-146-21 **A.** 1-452-214-12 1-543-179-00 *1-556-528-11

MAGNET, BMC PICTURE TUBE NECK ASSY (H TYPE) CORE, RING CONNECTOR ASSY (MINI, DY) 6P

CORD. POWER A. 1-558-159-11

CAP, ELECT 1000MF 20% COIL, DEGAUSSING SWITCH, PUSH (AC POWER) (1 KEY) SPEAKER 1-124-557-11

L901 A 1-426-086-12 S901 A 1-554-967-11 SP901 1-503-258-21

TRANSFORMER ASSY, FLYBACK T802 A. 1-439-308-12

V901 A 8-738-312-05 PICTURE TUBE (330YB22)

ACCESSORIES AND PACKING MATERIALS

DESCRIPTION PART NO.

REMARK

INSTRUCTION, DBP CAUTION CUSHION (UPPER) (ASSY) CUSHION (LOWER) (ASSY) *3-764-869-11

*4-364-735-00 4-365-429-01

INDIVIDUAL CARTON MANUAL, INSTRUCTION 4-493-991-11